



تم تحميل هذا الملف من موقع المناهج الإماراتية

موقع المناهج ← المناهج الإماراتية ← الصف التاسع ← تربية اسلامية ← الفصل الثالث ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 02:05:01 2026-06-21

ملفات اكتب للمعلم اكتب للطالب ا اختبارات الكترونية ا اختبارات ا حلول ا عروض بوربوينت ا أوراق عمل
منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي للمدرس

المزيد من مادة
تربية اسلامية:

التواصل الاجتماعي بحسب الصف التاسع



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف التاسع والمادة تربية اسلامية في الفصل الثالث

نموذج اختبار تجريبي نهائي

1

شرح هيكل الصف التاسع جميع المسارات

2

ملزمة التربية الإسلامية

3

مراجعة اختبار الهيكل مع الحل

4

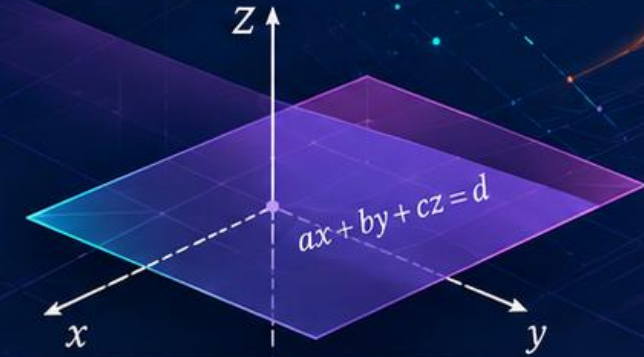
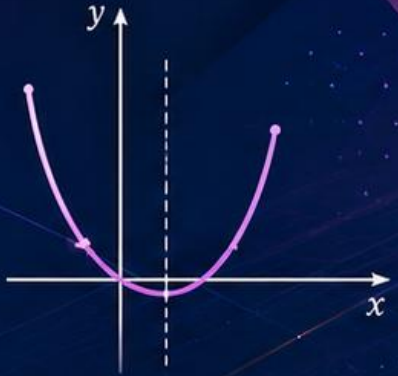
مراجعة شاملة

5

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$f(x) = ax^2 + bx + c$$



منتصف القطعة

$$M \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

مراجعة

هيكل الرياضيات

للفصل التاسع العام

الفصل الثالث

منهج ريفيل

العام الدراسي 2025-2026

Mathematics EOT Review

for Grade 9 General

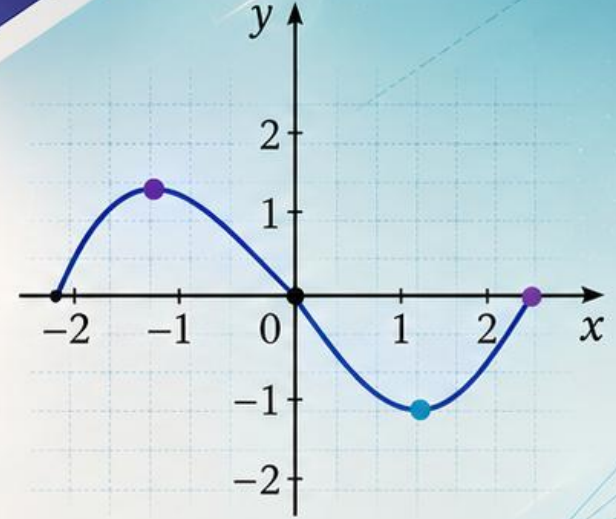
Term 3

Reveal Curriculum (EOT)

Academic Year 2025-2026

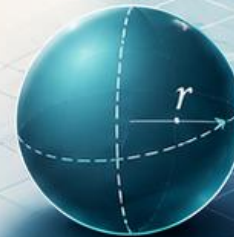
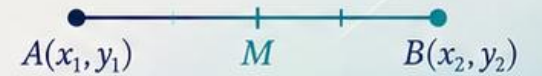
المعلمة خديجة عبدالرحمن اليوسف

Teacher: Khadija Abdulrahman AlYousef



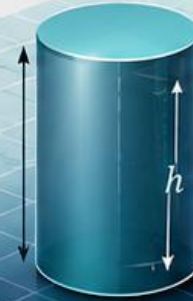
المسافة بين نقطتين

$$AB = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$



$$A = 4\pi r^2$$

$$V = \frac{4}{3}\pi r^3$$



$$A = 2\pi rh + 2\pi r^2$$

$$V = \pi r^2 h$$



$$V = \frac{1}{3}\pi r^2 h$$



$$V = a^3$$

المخرجات	رابط الشرح على اليوتيوب
مخرجات الوحدة السابعة	https://youtu.be/PhVoQvrKYWc
مخرجات الوحدة العاشرة الدرس 10.2	https://youtu.be/0etJXAQCTuU
مخرجات الوحدة العاشرة الدرس 10.3	https://youtu.be/jk0BX0GGjF8?si=P7l9fQFhfUKawrBn
مخرجات الوحدة العاشرة الدروس 10.4, 10.7	https://youtu.be/gPvLjW9IWN4?si=XLHN-g2kw5j7O76J

"رَبِّ اشْرَحْ لِي صَدْرِي * وَيَسِّرْ لِي أَمْرِي * وَاحْلُلْ عُقْدَةً مِنْ لِسَانِي * يَفْقَهُوا قَوْلِي"

قال رسول الله ﷺ: "إذا مات ابن آدم انقطع عمله إلا من ثلاث: صدقة جارية، أو علم ينتفع به، أو ولد صالح يدعو له"

حل هيكل الرياضيات للصف التاسع العام للفصل الثالث (ريفيل) 2025 - 2026

EOT Solution -Math - Grade 9 GEN-Term 3 (Reveal) 2025-2026



مخرجات الهيكل الخاصة بالوحدة السابعة 7.2-7.3-7.4

SUBSCRIBE



المعلمة: خديجة عبدالرحمن اليوسف

"رَبِّ اشْرَحْ لِي صَدْرِي * وَيَسِّرْ لِي أَمْرِي * وَاحْلُلْ عُقْدَةً مِنْ لِسَانِي * يَفْقَهُوا قَوْلِي"

قال رسول الله ﷺ: "إذا مات ابن آدم انقطع عمله إلا من ثلاث: صدقة جارية، أو علم ينتفع به، أو ولد صالح يدعو له"



1	Solve systems of equations by using the substitution method (lesson 7.2)	(EX1,1-2)	399, 403
---	--	-----------	----------

Choose the correct answer:

Use substitution to solve the system of equations:

$$\begin{cases} 3x - y = -7 \\ y = 4x + 11 \end{cases}$$

What is the solution to the system?

- A. $(-5, -4)$
- B. $(-4, -5)$
- C. $(4, -5)$
- D. $(-4, 5)$

1	Solve systems of equations by using the substitution method (lesson 7.2)	(EX1,1-2)	399, 403
---	--	-----------	----------

Choose the correct answer:

Use substitution to solve the system of equations:

$$\begin{cases} y = 5x + 1 \\ 4x + y = 10 \end{cases}$$

- A. (1, 6)
- B. (6, 1)
- C. (-1, 6)
- D. (-1, -4)

Use substitution to solve the system of equations:

$$\begin{cases} y = 4x + 5 \\ 2x + y = 17 \end{cases}$$

- A. (-2, 13)
- B. (13, 2)
- C. (2, 13)
- D. (3, 17)



6	Solve systems of equations by using the substitution method (lesson 7.2)	(1,2,9,10,11)	403
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Choose the correct answer:

9) Use substitution to solve the system of equations:

$$\begin{cases} x = y - 1 \\ -x + y = -1 \end{cases}$$

- A. (0, 1)
- B. (1, 0)
- C. No Solution
- D. Infinitely Many Solutions

6	Solve systems of equations by using the substitution method (lesson 7.2)	(1,2,9,10,11)	403
---	--	---------------	-----

Choose the correct answer:

10) Use substitution to solve the system of equations:

$$\begin{cases} y = -4x + 11 \\ 3x + y = 9 \end{cases}$$

- A. (2, 3)
- B. (-2, 3)
- C. (3, -2)
- D. (3, 2)

11) Use substitution to solve the system of equations:

$$\begin{cases} y = -3x + 1 \\ 2x + y = 1 \end{cases}$$

- A. (1, 1)
- B. (0, -1)
- C. (0, 1)
- D. (-1, 1)

7	Solve systems of equations by eliminating a variable using addition. (Lesson 7.3)	(1-4)	409
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Choose the correct answer:

1) Use elimination to solve the system of equations:

$$\begin{cases} -v + w = 7 \\ v + w = 1 \end{cases}$$

- A. (3, 4)
- B. (-4, 3)
- C. (-3, 4)
- D. (4, 3)

7	Solve systems of equations by eliminating a variable using addition. (Lesson 7.3)	(1-4)	409
---	--	-------	-----

Choose the correct answer:

2) Use elimination to solve the system of equations.

$$\begin{cases} y + z = 4 \\ y - z = 8 \end{cases}$$

What is the solution to the system?

- A. (6, 2)
- B. (6, -2)
- C. (-6, -2)
- D. (-6, 2)

3) Use elimination to solve the system of equations.

$$\begin{cases} -4x + 5y = 17 \\ 4x + 6y = -6 \end{cases}$$

- A. (-3, -1)
- B. (3, 1)
- C. (3, -1)
- D. (-3, 1)

4) Use elimination to solve the system of equations.

$$\begin{cases} 5m - 2p = 24 \\ 3m + 2p = 24 \end{cases}$$

What is the solution to the system?

- A. (6, -3)
- B. (6, 3)
- C. (-6, 3)
- D. (-6, -3)

8	Solve systems of equations by eliminating a variable using subtraction (Lesson 7.3)	(5-8)	409
---	---	-------	-----

Choose the correct answer:

5) Use elimination to solve the system of equations.

$$\begin{cases} a + 4b = -4 \\ a + 10b = -16 \end{cases}$$

What is the solution to the system?

- A. (4, -2)
- B. (-4, -2)
- C. (-4, 2)
- D. (4, 2)

8	Solve systems of equations by eliminating a variable using subtraction (Lesson 7.3)	(5-8)	409
---	--	-------	-----

Choose the correct answer:

6) Use elimination to solve the system of equations.

$$\begin{cases} 6r - 6t = 6 \\ 3r - 6t = 15 \end{cases}$$

What is the solution to the system?

- A. (3, -4)
- B. (-3, 4)
- C. (-3, -4)
- D. (3, 4)

7) Use elimination to solve the system of equations.

$$\begin{cases} 6c - 9d = 111 \\ 5c - 9d = 103 \end{cases}$$

What is the solution to the system?

- A. (8, 7)
- B. (-8, -7)
- C. (8, -7)
- D. (-8, 7)

8) Use elimination to solve the system of equations.

$$\begin{cases} 11f + 14g = 13 \\ 11f + 10g = 25 \end{cases}$$

What is the solution to the system?

- A. (5, -3)
- B. (-5, -3)
- C. (-5, 3)
- D. (5, 3)

9	Solve systems of equations by eliminating a variable using addition (Lesson 7.3)	(EX2,28-30)	406,410
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Choose the correct answer:

Seven times a number x minus four times another number y is 13. Negative seven times a number x plus seven times another number y is 14. Find the numbers.

سبعة أضعاف عدد x ناقص أربعة أضعاف عدد آخر y تساوي 13. وسالب سبعة أضعاف العدد x زائد سبعة أضعاف العدد y تساوي 14. أوجد العددين.

What is the solution?

- A. $(-7, -9)$
- B. $(7, -9)$
- C. $(7, 9)$
- D. $(-7, 9)$

The system of equations is:

$$\begin{cases} 7x - 4y = 13 \\ -7x + 7y = 14 \end{cases}$$

9	Solve systems of equations by eliminating a variable using addition (Lesson 7.3)	(EX2,28-30)	406,410
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Choose the correct answer:

28) Twice a number added to another number is 15. The sum of the two numbers is 11. Find the numbers.

ضعف عدد مضافاً إلى عدد آخر يساوي 15. ومجموع العددين يساوي 11. أوجد العددين.

What is the solution?

- A. (4, 7)
- B. (−4, 7)
- C. (4, −7)
- D. (−4, −7)

The system of equations is:

$$\begin{aligned} 2x + y &= 15 \\ x + y &= 11 \end{aligned}$$

9	Solve systems of equations by eliminating a variable using addition (Lesson 7.3)	(EX2,28-30)	406,410
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Choose the correct answer:

29) Twice a number added to another number is -8 . The difference of the two numbers is 2. Find the numbers.

ضعف عدد مضافاً إلى عدد آخر يساوي -8 . والفرق بين العددين يساوي 2. أوجد العددين.

Which system of equations correctly represents the problem, and what is the solution?

- A. $2x + y = 8, x - y = 2$; Solution: $(2, 4)$
- B. $2x + y = -8, x - y = 2$; Solution: $(-2, -4)$
- C. $2x + y = -8, x + y = 2$; Solution: $(-2, 4)$
- D. $2x - y = -8, x - y = 2$; Solution: $(-2, -4)$

9	Solve systems of equations by eliminating a variable using addition (Lesson 7.3)	(EX2,28-30)	406,410
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Choose the correct answer:

30) The difference of two numbers is 2. The sum of the same two numbers is 6. Find the numbers.

الفرق بين عددين يساوي 2. ومجموع العددين نفسيهما يساوي 6. أوجد العددين.

Which system of equations correctly represents the problem, and what is the solution?

A. $x - y = 2$, $x + y = -6$;Solution: $(-2, -4)$

B. $x + y = 2$, $x - y = 6$;Solution: $(4, -2)$

C. $x - y = 2$, $x + y = 6$;Solution: $(4, 2)$

D. $x - y = -2$, $x + y = 6$;Solution: $(2, 4)$

10	Solve systems of equations by eliminating a variable using multiplication and addition (lesson 7.4)	(EX1,1-5)	413,417
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Choose the correct answer:

Use elimination by to solve the system of equations.

$$\begin{cases} 10x + 5y = 30 \\ 5x - 3y = -7 \end{cases}$$

What is the solution to the system?

- A. $(-1, -4)$
- B. $(1, -4)$
- C. $(-1, 4)$
- D. $(1, 4)$

EOT Solution -Math - Grade 9 GEN -Term 3 (Reveal) 2025-2026

10	Solve systems of equations by eliminating a variable using multiplication and addition (lesson 7.4)	(EX1,1-5)	413,417
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Choose the correct answer:

1) Use elimination to solve the system of equations.

$$\begin{aligned}x + y &= 2 \\ -3x + 4y &= 15\end{aligned}$$

What is the solution to the system?

- A. (1, 1)
- B. (-1, 3)
- C. (1, -3)
- D. (-1, -3)

2) Use elimination to solve the system of equations.

$$\begin{aligned}x - y &= -8 \\ 7x + 5y &= 16\end{aligned}$$

What is the solution to the system?

- A. (2, 6)
- B. (-2, -6)
- C. (-2, 6)
- D. (2, -6)

3) Use elimination to solve the system of equations.

$$\begin{aligned}x + 5y &= 17 \\ -4x + 3y &= 24\end{aligned}$$

What is the solution to the system?

- A. (-3, -4)
- B. (3, 4)
- C. (3, -4)
- D. (-3, 4)

10	Solve systems of equations by eliminating a variable using multiplication and addition (lesson 7.4)	(EX1,1-5)	413,417
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Choose the correct answer:

4) Use elimination to solve the system of equations.

$$6x + y = -39$$

$$3x + 2y = -15$$

What is the solution to the system?

- A. (7, 3)
- B. (-7, -3)
- C. (7, -3)
- D. (-7, 3)

5) Use elimination to solve the system of equations.

$$2x + 5y = 11$$

$$4x + 3y = 1$$

What is the solution to the system?

- A. (-2, 3)
- B. (2, -3)
- C. (-2, -3)
- D. (2, 3)

23	Solve systems of equations by eliminating a variable using multiplication and addition (lesson 7.4)	Ex1(1-6)	413, 417
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Choose the correct answer:

Use elimination to solve the system of equations.

$$\begin{aligned} 3x - 3y &= -6 \\ -5x + 6y &= 12 \end{aligned}$$

What is the solution to the system?

- A. $(0, -2)$
- B. $(0, 2)$
- C. $(2, 0)$
- D. $(-2, 0)$

تم شرح المخرجات المثال والتمارين
من 1 الى 5 في مخرج 10

22	Solve systems of equations by eliminating a variable using multiplication and addition (lesson 7.4)	Ex2(7-12)	414,417
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Choose the correct answer:

Use elimination to solve the system of equations.

$$3x + 4y = -22$$

$$-2x + 3y = -8$$

What is the solution to the system?

- A. (2, -4)
- B. (-2, 4)
- C. (-2, -4)
- D. (2, 4)

EOT Solution -Math - Grade 9 GEN -Term 3 (Reveal) 2025-2026

22	Solve systems of equations by eliminating a variable using multiplication and addition (lesson 7.4)	Ex2(7-12)	414,417
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Choose the correct answer:

7) Use elimination to solve the system of equations.

$$3x + 4y = 29$$

$$6x + 5y = 43$$

What is the solution to the system?

- A. $(-3, -5)$
- B. $(3, -5)$
- C. $(-3, 5)$
- D. $(3, 5)$

8) Use elimination to solve the system of equations.

$$8x + 3y = 4$$

$$-7x + 5y = -34$$

What is the solution to the system?

- A. $(-2, 4)$
- B. $(2, -4)$
- C. $(-2, -4)$
- D. $(2, 4)$

9) Use elimination to solve the system of equations.

$$8x + 3y = -7$$

$$7x + 2y = -3$$

What is the solution to the system?

- A. $(-1, 5)$
- B. $(1, -5)$
- C. $(-1, -5)$
- D. $(1, 5)$

EOT Solution -Math - Grade 9 GEN -Term 3 (Reveal) 2025-2026

22	Solve systems of equations by eliminating a variable using multiplication and addition (lesson 7.4)	Ex2(7-12)	414,417
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Choose the correct answer:

10) Use elimination to solve the system of equations.

$$4x + 7y = -80$$

$$3x + 5y = -58$$

What is the solution to the system?

A. $(6, -8)$

B. $(-6, 8)$

C. $(-6, -8)$

D. $(6, 8)$

11) Use elimination to solve the system of equations.

$$12x - 3y = -3$$

$$6x + y = 1$$

What is the solution to the system?

A. $(0, -1)$

B. $(1, 0)$

C. $(-1, 0)$

D. $(0, 1)$

12) Use elimination to solve the system of equations.

$$-4x + 2y = 0$$

$$10x + 3y = 8$$

What is the solution to the system?

A. $\left(\frac{1}{2}, -1\right)$

B. $\left(-\frac{1}{2}, 1\right)$

C. $\left(\frac{1}{2}, 1\right)$

D. $\left(-\frac{1}{2}, -1\right)$

حل هيكل الرياضيات للصف التاسع العام للفصل الثالث (ريفيل) 2025 - 2026

EOT Solution -Math - Grade 9 GEN-Term 3 (Reveal) 2025-2026

حل هيكل الرياضيات للصف التاسع العام للفصل الثالث (ريفيل) 2025 - 2026

EOT Solution -Math - Grade 9 GEN-Term 3 (Reveal) 2025-2026



مخرجات الهيكل الخاصة بالوحدة العاشرة: الدرس 10.2

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المعلمة: خديجة عبدالرحمن اليوسف

"رَبِّ اشْرَحْ لِي صَدْرِي * وَيَسِّرْ لِي أَمْرِي * وَاحْلُلْ عُقْدَةً مِنْ لِسَانِي * يَفْقَهُوا قَوْلِي"

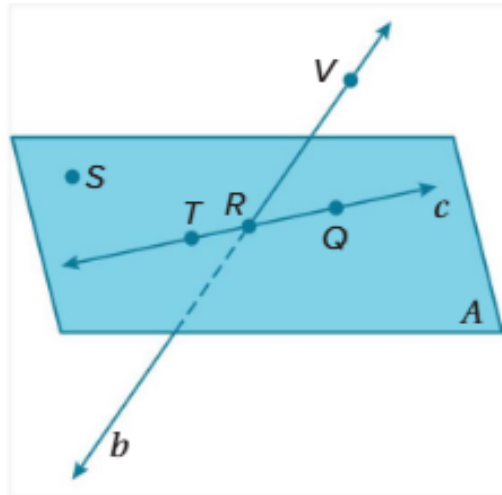
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11	Identify points, lines, and planes (lesson 10.2)	(EX1,1-4)	562-565
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Choose the correct answer:

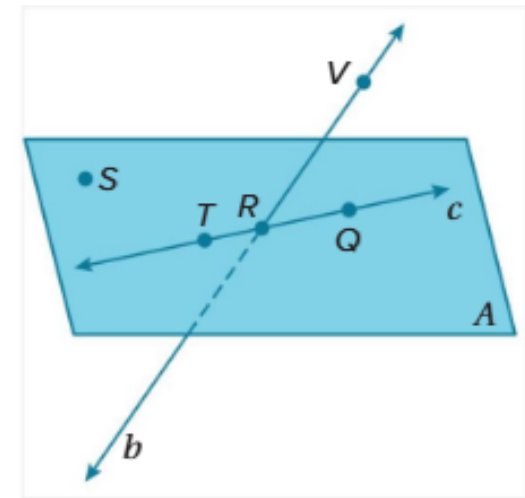
Which of the following is a correct name for line c ?

- A. $\overleftrightarrow{SV}$
- B. $\overleftrightarrow{RV}$
- C. $\overleftrightarrow{TQ}$
- D. $\overleftrightarrow{SA}$



Which of the following is another correct name for plane A?

- A. Plane STV
- B. Plane VST
- C. Plane QVS
- D. Plane QST

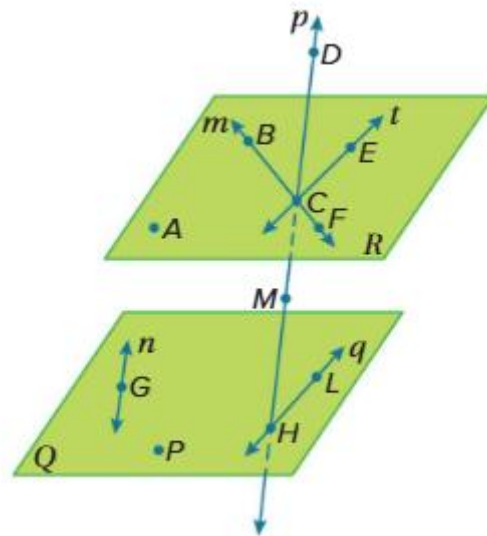


11	Identify points, lines, and planes (lesson 10.2)	(EX1,1-4)	562-565
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Choose the correct answer:

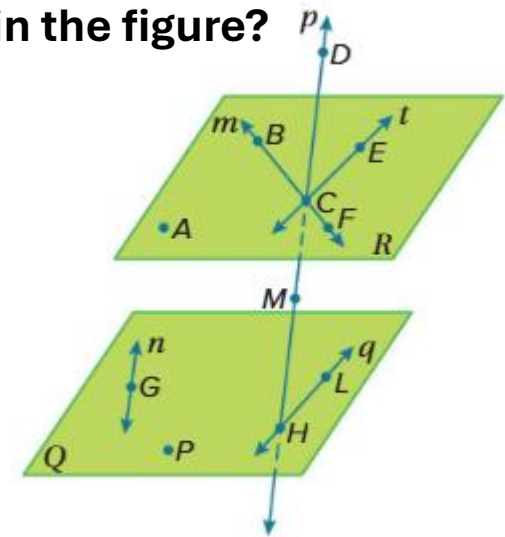
1. Name the lines that are only in plane Q.

- A. lines m and t
- B. lines n and q
- C. lines p and q
- D. lines m and p



2. How many planes are labeled in the figure?

- A. 1
- B. 2
- C. 3
- D. 4

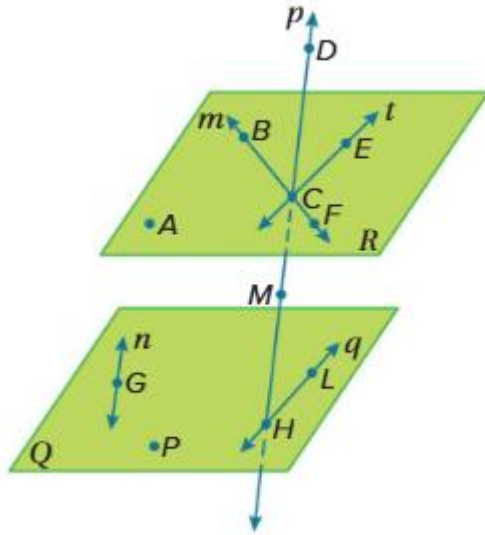


11	Identify points, lines, and planes (lesson 10.2)	(EX1,1-4)	562-565
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Choose the correct answer:

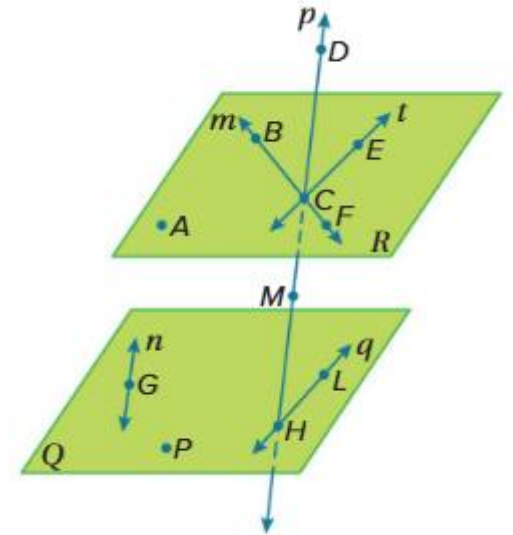
3. Name the plane containing the lines m and t .

- A. plane Q
- B. plane P
- C. plane R
- D. plane C



4. Name the intersection of lines m and t .

- A. point B
- B. point C
- C. point E
- D. point F

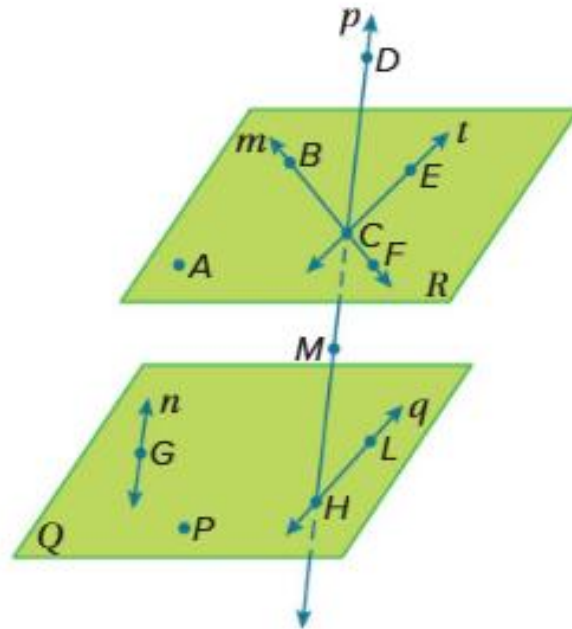


14	Identify intersections of lines and planes (lesson 10.2)	EX4(4-7)	564,565
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Choose the correct answer:

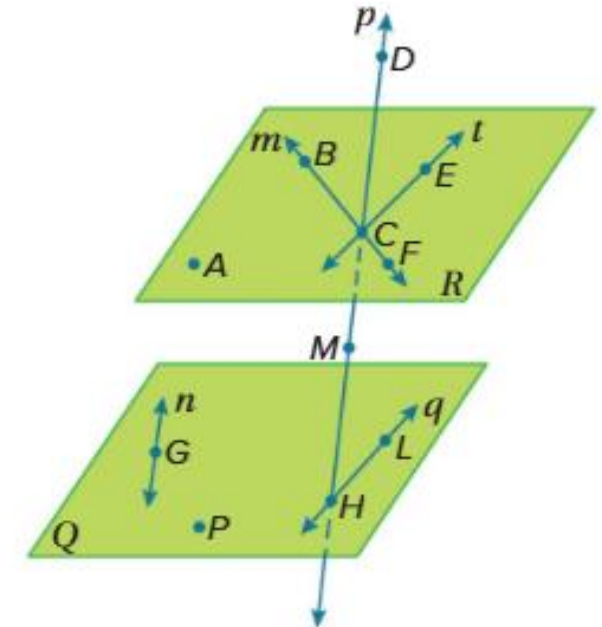
4. Name the intersection of lines m and t .

- A. point B
- B. point E
- C. point C
- D. point F



5. Name a point that is not coplanar with points A , B , and C .

- A. point E
- B. point F
- C. point D
- D. point R

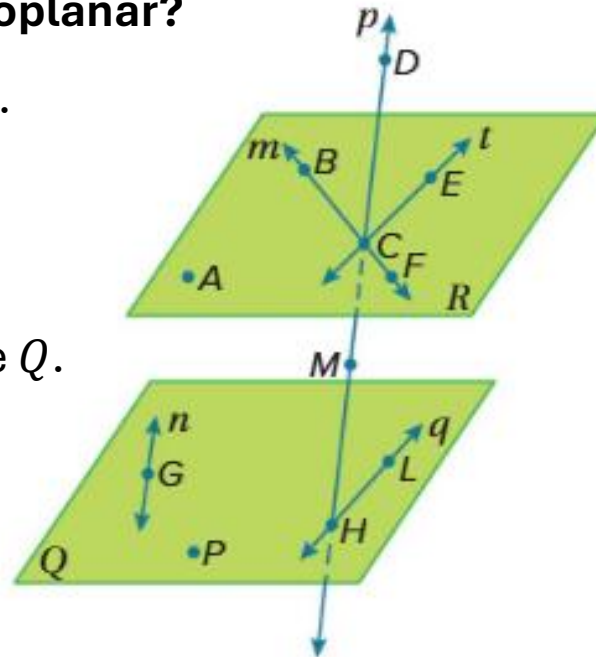


14	Identify intersections of lines and planes (lesson 10.2)	EX4(4-7)	564,565
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Choose the correct answer:

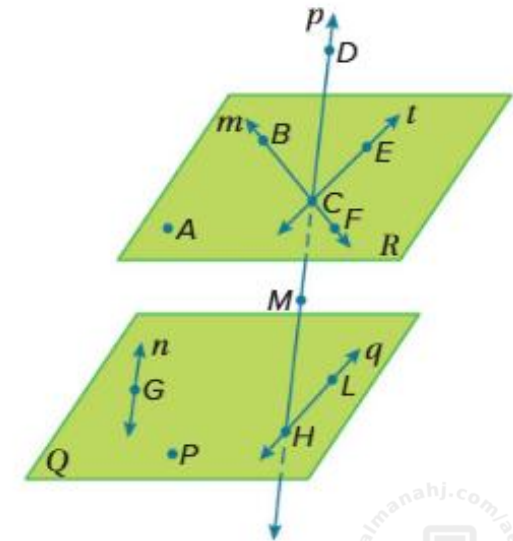
6. Are points F , M , G , and P coplanar?

- A. Yes, they are all in plane Q .
- B. Yes, they are all on line p .
- C. No, F is in plane R ,
while G , and P are in plane Q .
- D. No, G is in plane R .



7. Does line n intersect line q ?

- A. No, because line n and line q are parallel.
- B. Yes, because line n and line q intersect at point G .
- C. Yes, because line n and line q intersect when extended.
- D. No, because line n and line q are in different planes.

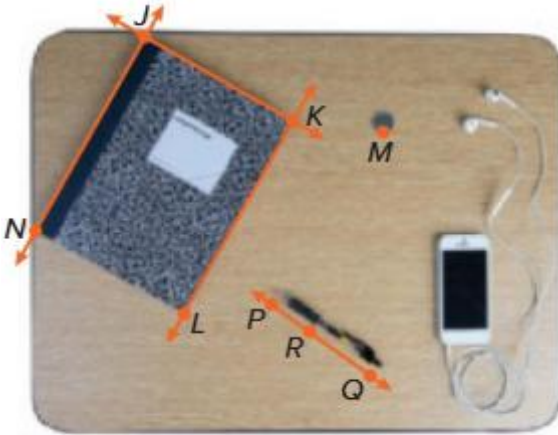


2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
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Choose the correct answer:

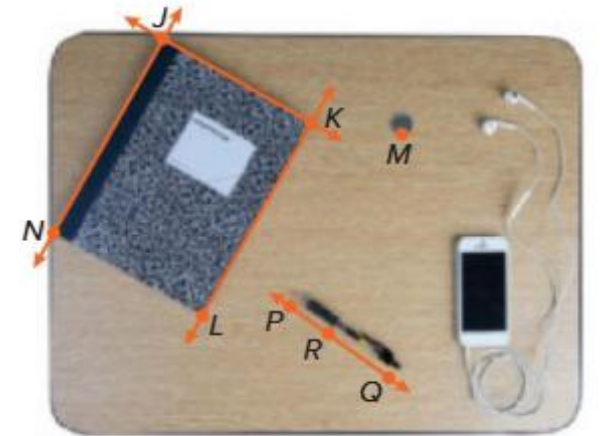
1. What geometric term is modeled by the notebook?

- A. Line JN
- B. Point M
- C. Plane JKL
- D. Line PQ



2. Which of the following models a point in space?

- A. Point M
- B. Line JK
- C. Plane NJK
- D. Line PQ

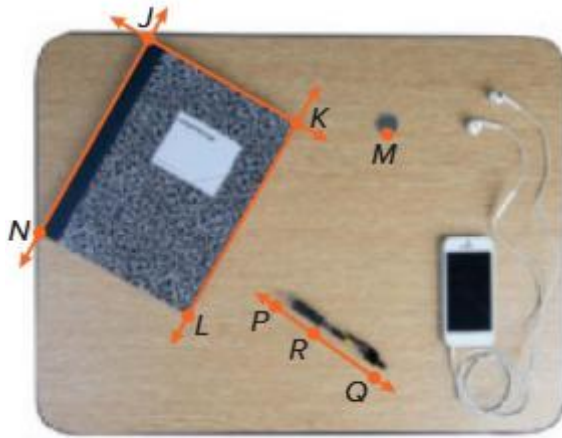


2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
---	--	------------	---------

Choose the correct answer:

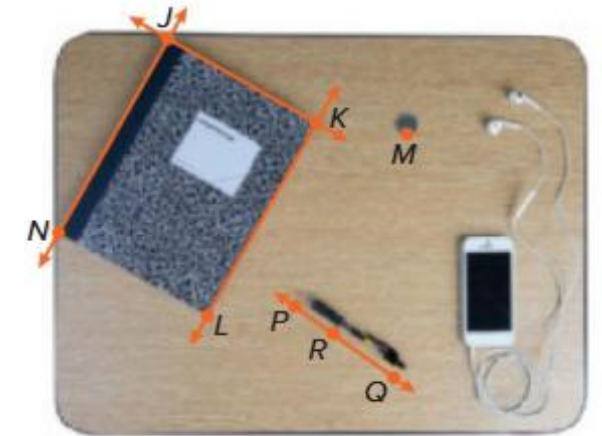
3. Which set of points is coplanar?

- A. P, Q, and R
- B. J, K, and M
- C. N, L, and K
- D. M, P, and Q



4. Which set of points is collinear?

- A. J, K, and L
- B. N, L, and K
- C. J, N, and M
- D. P, Q, and R

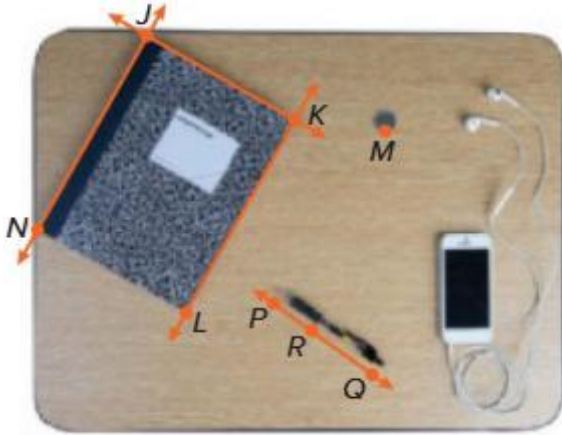


2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
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Choose the correct answer:

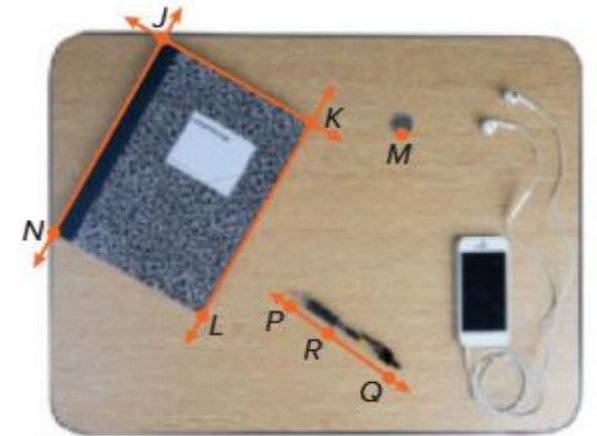
5. Which of the following is NOT an edge of the notebook?

- A. JK
- B. KL
- C. JN
- D. PQ



Which object in the picture models point *M* in space?

- A. The notebook
- B. The pen
- C. The quarter
- D. The desk



2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
---	--	------------	---------

Choose the correct answer:

8. What geometric term is modeled by a solar panel?

- A. Point
- B. Line
- C. Plane
- D. Ray



9. What geometric term is modeled by a tabletop?

- A. Plane
- B. Point
- C. Line
- D. Segment



2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
---	--	------------	---------

Choose the correct answer:

10. What geometric term is modeled by a bridge support beam?



- A. Point
- B. Plane
- C. Angle
- D. Line

11. What geometric term is modeled by a chessboard?



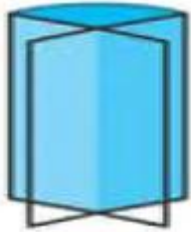
- A. Point
- B. Line
- C. Plane
- D. Segment

2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
---	--	------------	---------

Choose the correct answer:

12) Name the geometric term modeled by the intersection of two planes.

- A) Point
- B) Plane
- C) Line
- D) None



11) Name the geometric term modeled by a rope knot.

- A) Point
- B) Plane
- C) Line
- D) None



2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
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Choose the correct answer:

14. What geometric term is modeled by a wall and the floor?

- A. Point
- B. Plane
- C. Line
- D. Ray

15. What geometric term is modeled by the edge of a table?

- A. Plane
- B. Line
- C. Point
- D. Ray

16. What geometric term is modeled by two connected walls?

- A. Point
- B. Plane
- C. Line
- D. Segment

2	Identify points, lines, and planes (lesson 10.2)	(EX2,8-19)	562,565
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Choose the correct answer:

17. What geometric term is modeled by a blanket?

- A. Point
- B. Line
- C. Plane
- D. Ray

18. What geometric term is modeled by a telephone pole?

- A. Point
- B. Plane
- C. Line
- D. Angle

19. What geometric term is modeled by a computer screen?

- A. Point
- B. Line
- C. Plane
- D. Segment

13

Identify intersections of lines and planes (lesson 10.2)

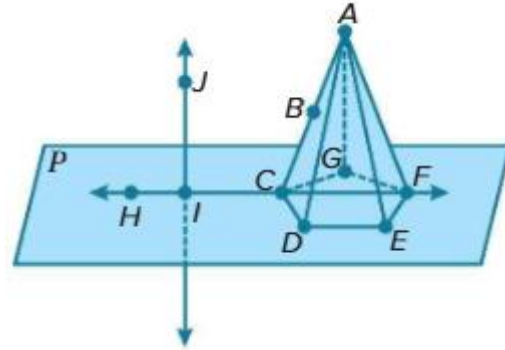
(EX4,20-24)

564,566

Choose the correct answer:

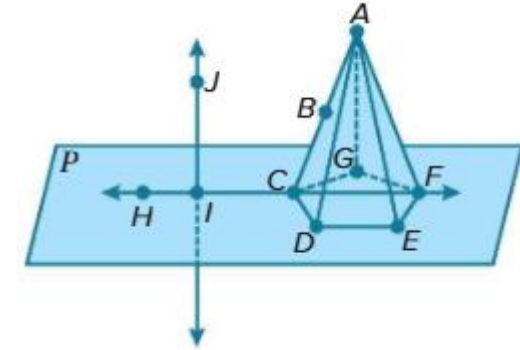
1. How many planes appear in this figure?

- A. 4
- B. 5
- C. 6
- D. 7



2. Which set of points are collinear?

- A. A, B, C, D
- B. C, D, E, F
- C. H, I, C, F
- D. A, G, D, E



13

Identify intersections of lines and planes (lesson 10.2)

(EX4,20-24)

564,566

Choose the correct answer:

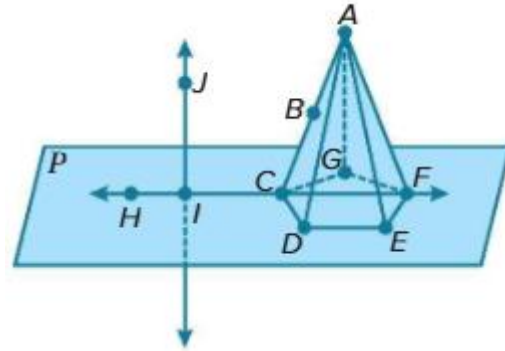
3. What is the intersection of plane GAC and plane P ?

A. $\overleftrightarrow{CF}$

B. $\overleftrightarrow{GC}$

C. $\overleftrightarrow{DE}$

D. $\overleftrightarrow{HI}$



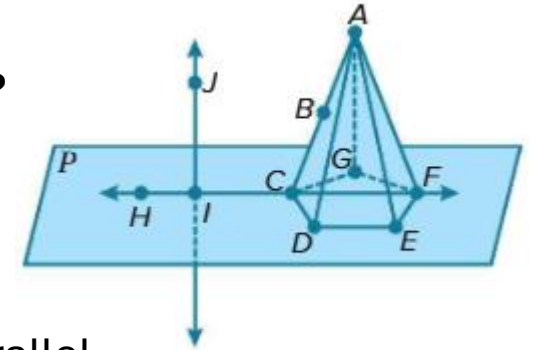
4. Do lines $\overleftrightarrow{JI}$ and $\overleftrightarrow{DC}$ intersect?

A. Yes, they intersect at point I .

B. Yes, they intersect at point C .

C. No, because the lines are parallel.

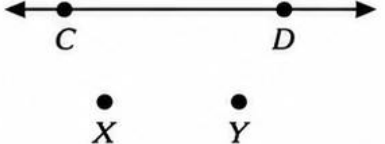
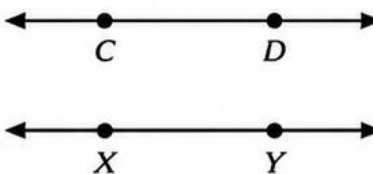
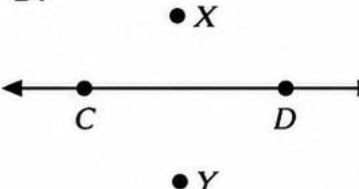
D. No, because $\overleftrightarrow{DC}$ lies in plane P , but only point I of $\overleftrightarrow{JI}$ lies in plane P .



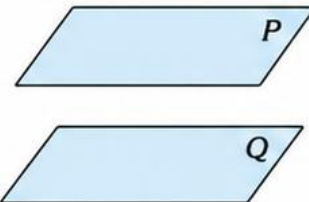
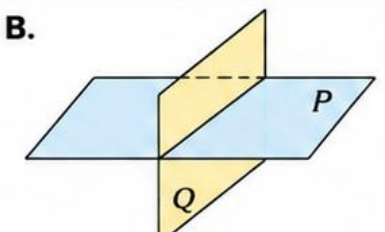
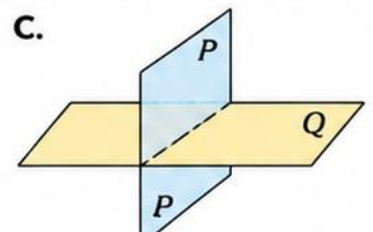
13	Identify intersections of lines and planes(lesson 10.2)	(EX4,20-24)	564,566
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Choose the correct answer:

20. Which figure shows that points X and Y lie on line $\overleftrightarrow{CD}$?

A. 	B. 	C. 	D. 
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21. Which figure shows two planes that do not intersect?

A. 	B. 	C. 	D. 
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13

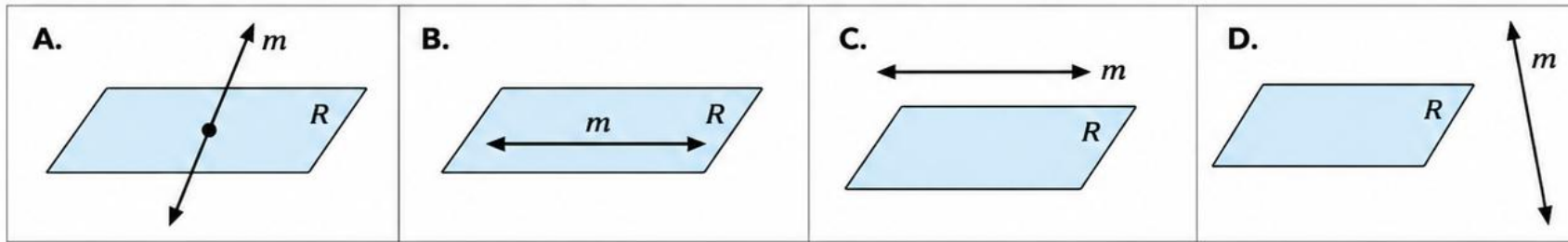
Identify intersections of lines and planes (lesson 10.2)

(EX4,20-24)

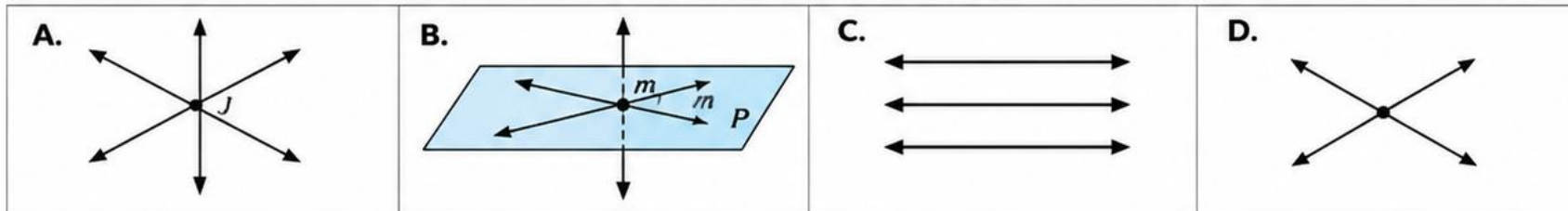
564,566

Choose the correct answer:

22. Which figure shows line m intersecting plane R at exactly one point?



23. Which figure shows three lines intersecting at point J , but not all lying in the same plane?



13

Identify intersections of lines and planes(lesson 10.2)

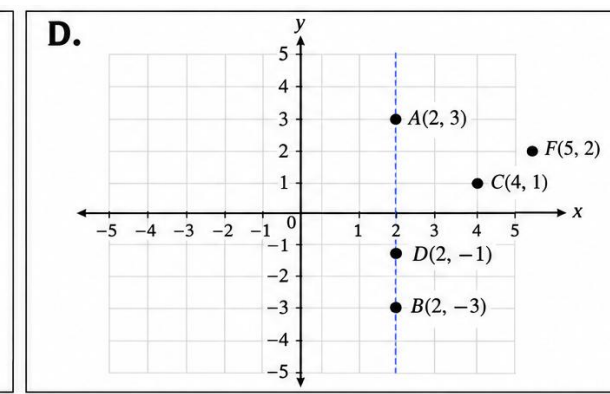
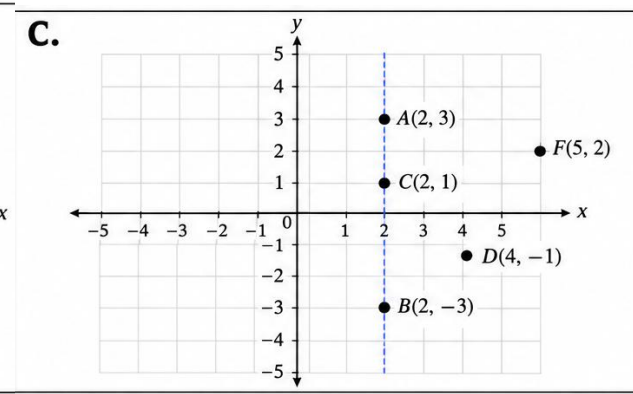
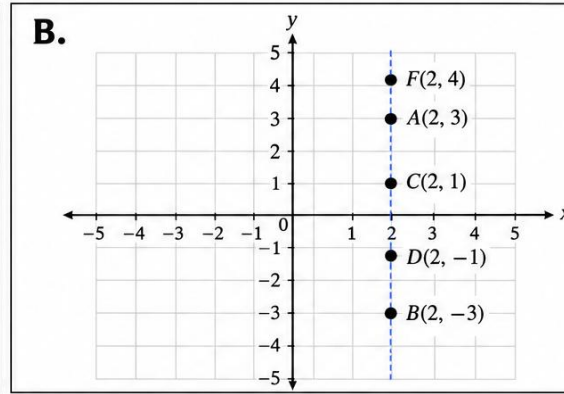
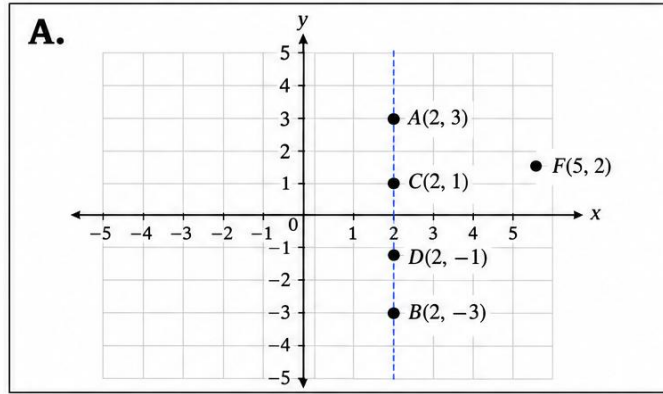
(EX4,20-24)

564,566

Choose the correct answer:

24. Points $A(2, 3)$, $B(2, -3)$, C , and D are collinear, but A , B , C , D , and F are not.

Which graph shows this relationship?

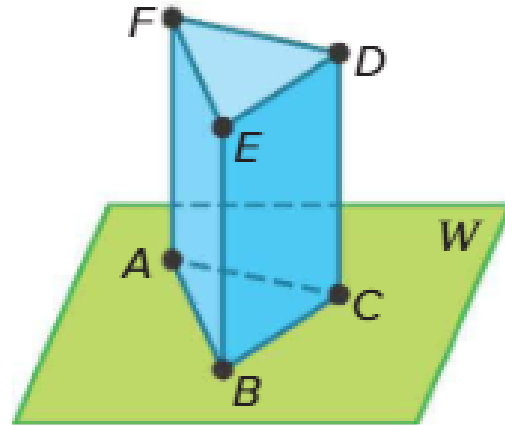


12	Identify intersections of lines and planes (lesson 10.2)	(EX4,25-29)	564,566
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Choose the correct answer:

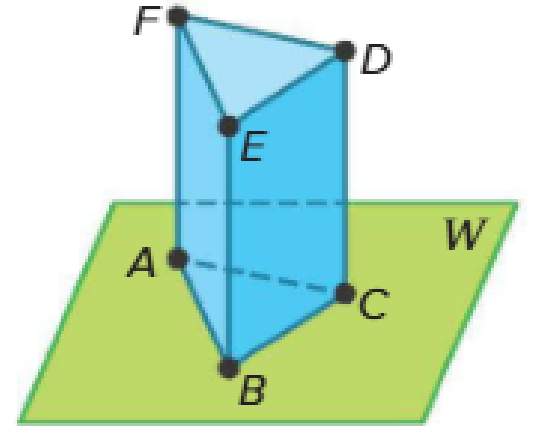
25. How many planes are shown in the figure?

- A. 2
- B. 3
- C. 4
- D. 5



26. How many of the planes contain points F and E?

- A. 1
- B. 2
- C. 3
- D. 4

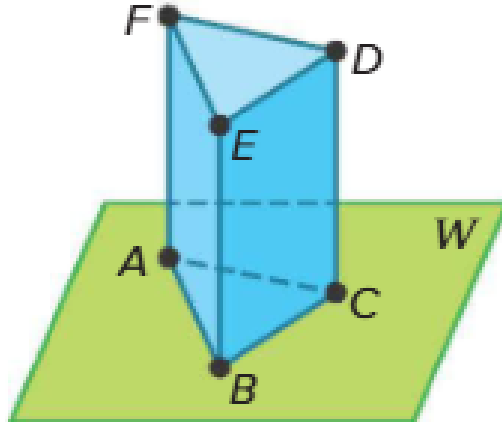


12	Identify intersections of lines and planes (lesson 10.2)	(EX4,25-29)	564,566
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Choose the correct answer:

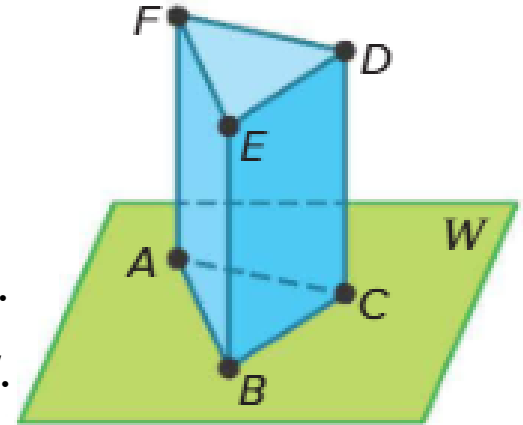
27. Which set of four points is coplanar?

- A. A, B, C, D
- B. A, B, C, E
- C. A, C, D, F
- D. A, E, F, W



28. Are points A, B, and C coplanar?

- A. Yes, because they all lie on plane W.
- B. Yes, because they lie on the same line.
- C. No, because point B is not on plane W.
- D. No, because three points cannot be coplanar.

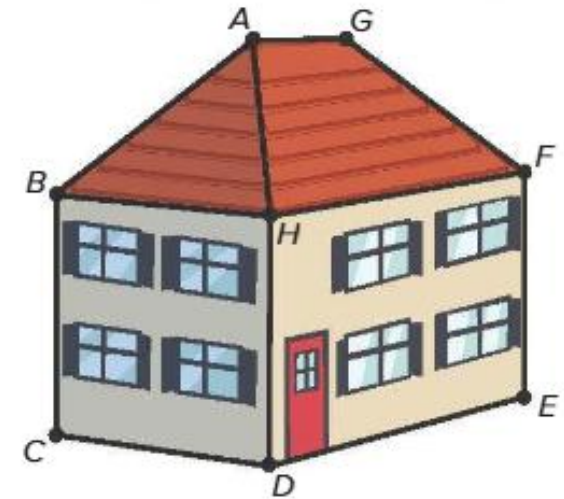


12	Identify intersections of lines and planes (lesson 10.2)	(EX4,25-29)	564,566
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Choose the correct answer:

29) Which of the following represents a line formed by the intersecting planes of the roof and the front wall?

- A. $\overleftrightarrow{CE}$
- B. $\overleftrightarrow{BH}$
- C. $\overleftrightarrow{AG}$
- D. $\overleftrightarrow{CD}$



حل هيكل الرياضيات للصف التاسع العام للفصل الثالث (ريفيل) 2025 - 2026

EOT Solution -Math - Grade 9 GEN-Term 3 (Reveal) 2025-2026

حل هيكل الرياضيات للصف التاسع العام للفصل الثالث (ريفيل) 2025 - 2026

EOT Solution -Math - Grade 9 GEN-Term 3 (Reveal) 2025-2026



مخرجات الهيكل الخاصة بالوحدة العاشرة: الدرس 10.3

SUBSCRIBE



المعلمة: خديجة عبدالرحمن اليوسف

"رَبِّ اشْرَحْ لِي صَدْرِي * وَيَسِّرْ لِي أَمْرِي * وَاحْلُلْ عُقْدَةً مِنْ لِسَانِي * يَفْقَهُوا قَوْلِي"

قال رسول الله ﷺ: "إذا مات ابن آدم انقطع عمله إلا من ثلاث: صدقة جارية، أو علم ينتفع به، أو ولد صالح يدعو له"

15	Calculate measures of line segments (lesson 10.3)	EX2(1-9)	570,573
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Choose the correct answer:

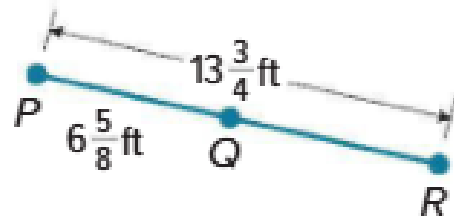
What is the length of QR ?

A. $6\frac{5}{8}$ ft

B. $7\frac{1}{8}$ ft

C. $20\frac{3}{8}$ ft

D. $13\frac{3}{4}$ ft



15	Calculate measures of line segments (lesson 10.3)	EX2(1-9)	570,573
----	--	----------	---------

Choose the correct answer:

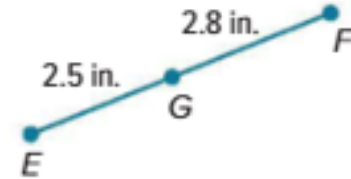
What is the length of $\overline{PR}$?

- A. 2.1 mm
- B. 3.7 mm
- C. 5.8 mm
- D. 9.5 mm



What is the length of $\overline{EF}$?

- A. 2.8 in.
- B. 5.3 in.
- C. 0.3 in.
- D. 4.7 in.



15	Calculate measures of line segments (lesson 10.3)	EX2(1-9)	570,573
----	--	----------	---------

Choose the correct answer:

What is the length of $\overline{JL}$?

- A. 0.35 cm
- B. 0.40 cm
- C. 1.10 cm
- D. 0.75 cm



What is the length of $\overline{HJ}$?

- A. 9.1 ft
- B. 15.3 ft
- C. 3.1 ft
- D. 12.2 ft



15	Calculate measures of line segments (lesson 10.3)	EX2(1-9)	570,573
----	--	----------	---------

Choose the correct answer:

What is the length of $\overline{AC}$?

- A. 1.2 m
- B. 0.4 m
- C. 2.0 m
- D. 1.6 m



What is the length of $\overline{SV}$?

- A. 2.6 in.
- B. 1.5 in.
- C. 6.7 in.
- D. 4.1 in.

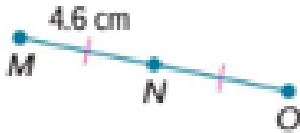


16	Apply the definition of congruent line segments to find missing values (lesson 10.3)	(28-33)	574
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Choose the correct answer:

What is the length of $\overline{MO}$?

- A. 4.6 cm
- B. 9.2 cm
- C. 2.3 cm
- D. 6.9 cm



What is the length of $\overline{WY}$?

- A. 8.8 mm
- B. 17.6 mm
- C. 4.4 mm
- D. 13.2 mm



16	Apply the definition of congruent line segments to find missing values (lesson 10.3)	(28-33)	574
----	---	---------	-----

Choose the correct answer:

What is the length of $\overline{FG}$?

- A. 4.2 cm
- B. 8.4 cm
- C. 16.8 cm
- D. 5.6 cm



What is the length of $\overline{QT}$?

- A. 7.2 in.
- B. 14.4 in.
- C. 3.6 in.
- D. 10.8 in. .



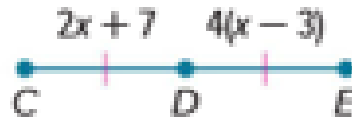


16	Apply the definition of congruent line segments to find missing values (lesson 10.3)	(28-33)	574
----	---	---------	-----

Choose the correct answer:

What is the length of $\overline{DE}$?

- A. 22
- B. 26
- C. 30
- D. 34

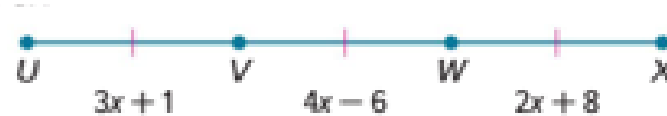




16	Apply the definition of congruent line segments to find missing values (lesson 10.3)	(28-33)	574
----	---	---------	-----

Choose the correct answer:

What is the length of $\overline{UX}$?



- A. 44
- B. 54
- C. 66
- D. 72

4	Apply the definition of congruent line segments to find missing values (lesson 10.3)	EX5 (28-33)	574
---	--	-------------	-----

Choose the correct answer:

If Q is between P and R , $PQ = 6x + 20$, $QR = 2(x + 6)$, and $PQ \cong QR$, what is the value of x ?

- A. -4
- B. -2
- C. 2
- D. 4

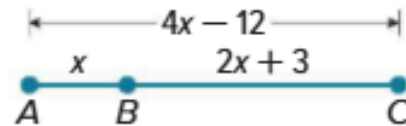


التمارين من 28 الى 33
تم الشرح مسبقا في مخرج 16

24	Apply the definition of congruent line segments to find missing values (lesson 10.3)	Ex3(10-14)	570,573
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Choose the correct answer:

If B is between A and C , $AC = 4x - 12$, $AB = x$, and $BC = 2x + 3$, what is the value of BC ?



- A. 27
- B. 30
- C. 33
- D. 36



24	Apply the definition of congruent line segments to find missing values (lesson 10.3)	Ex3(10-14)	570,573
----	---	------------	---------

Choose the correct answer:

If Y is between X and Z , $XY = 11$, $YZ = 4c$, and $XZ = 83$, what is the value of YZ ?

- A. 68
- B. 72
- C. 76
- D. 80

24	Apply the definition of congruent line segments to find missing values (lesson 10.3)	Ex3(10-14)	570,573
----	---	------------	---------

Choose the correct answer:

If Y is between X and Z , $XY = 6b$, $YZ = 8b$, and $XZ = 175$, what is the value of YZ ?

- A. 75
- B. 100
- C. 125
- D. 150



24	Apply the definition of congruent line segments to find missing values (lesson 10.3)	Ex3(10-14)	570,573
----	---	------------	---------

Choose the correct answer:

If Y is between X and Z , $XY = 7a$, $YZ = 5a$, and $XZ = 6a + 24$, what is the value of YZ ?

- A. 10
- B. 15
- C. 20
- D. 25

24	Apply the definition of congruent line segments to find missing values (lesson 10.3)	Ex3(10-14)	570,573
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Choose the correct answer:

If Y is between X and Z , $XY = 5.5$, $YZ = 2c$, and $XZ = 8.9$, what is the value of YZ ?

- A. 3.4
- B. 1.7
- C. 5.5
- D. 8.9



24	Apply the definition of congruent line segments to find missing values (lesson 10.3)	Ex3(10-14)	570,573
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Choose the correct answer:

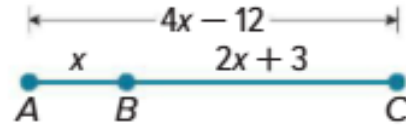
If Y is between X and Z, $XY = 4w$, $YZ = 6w$, and $XZ = 12w - 8$, what is the value of YZ?

- A. 18
- B. 24
- C. 30
- D. 36

5	Apply the definition of congruent line segments to find missing values (lesson 10.3)	EX3(34-37)	570,575
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Choose the correct answer:

If B is between A and C , $AC = 4x - 12$, $AB = x$, and $BC = 2x + 3$, what is the value of BC ?



- A. 27
- B. 30
- C. 33
- D. 36

مثال 3
تم الشرح مسبقا في مخرج 24

5	Apply the definition of congruent line segments to find missing values (lesson 10.3)	EX3(34-37)	570,575
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Choose the correct answer:

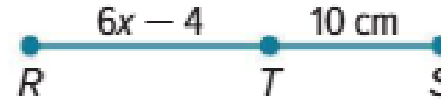
If W is between U and V , $UV = 16.8$ centimeters, and $VW = 7.9$ centimeters, what is the length of UW ?

- A. 7.9 cm
- B. 8.9 cm
- C. 16.8 cm
- D. 24.7 cm

5	Apply the definition of congruent line segments to find missing values (lesson 10.3)	EX3(34-37)	570,575
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Choose the correct answer:

If $RS = 24$ centimeters, what is the value of x ?



- A. 3
- B. 4
- C. 5
- D. 6



5	Apply the definition of congruent line segments to find missing values (lesson 10.3)	EX3(34-37)	570,575
---	---	------------	---------

Choose the correct answer:

If M is between L and O , $LM = 7x - 9$, $MO = 14$ inches, and $LO = 10x - 7$, what is the length of $\overline{LO}$?

- A. 33 in.
- B. 43 in.
- C. 53 in.
- D. 63 in.

5	Apply the definition of congruent line segments to find missing values (lesson 10.3)	EX3(34-37)	570,575
---	---	------------	---------

Choose the correct answer:

If $\overline{PQ} \cong \overline{RS}$, $PQ = 9x - 7$, and $RS = 29$, what is the value of x ?

- A. 2
- B. 3
- C. 4
- D. 5

حل هيكل الرياضيات للصف التاسع العام للفصل الثالث (ريفيل) 2025 - 2026

EOT Solution -Math - Grade 9 GEN-Term 3 (Reveal) 2025-2026

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EOT Solution -Math - Grade 9 GEN-Term 3 (Reveal) 2025-2026



مخرجات الهيكل الخاصة بالوحدة العاشرة: الدروس 10.4 و 10.7

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المعلمة: خديجة عبدالرحمن اليوسف

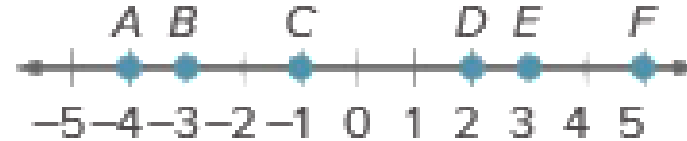
"رَبِّ اشْرَحْ لِي صَدْرِي * وَيَسِّرْ لِي أَمْرِي * وَاحْلُلْ عُقْدَةً مِنْ لِسَانِي * يَفْقَهُوا قَوْلِي"

قال رسول الله ﷺ: "إذا مات ابن آدم انقطع عمله إلا من ثلاث: صدقة جارية، أو علم ينتفع به، أو ولد صالح يدعو له"

17	Find the length of a line segment on a number line (lesson 10.4)	Ex1(1-9)	577,581
----	--	----------	---------

Choose the correct answer:

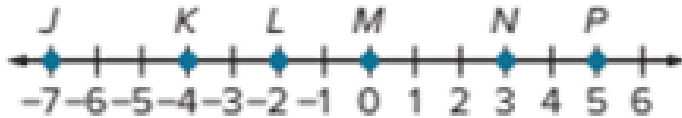
Use the number line to find the distance CF .



- A. 7
- B. -6
- C. 6
- D. 5

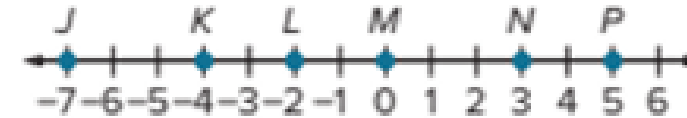
17	Find the length of a line segment on a number line (lesson 10.4)	Ex1(1-9)	577,581
----	--	----------	---------

Choose the correct answer:



1. Use the number line to find the distance JL .

- A. 4
- B. 5
- C. 3
- D. -5



2. Use the number line to find the distance JK .

- A. 2
- B. 3
- C. 4
- D. -3

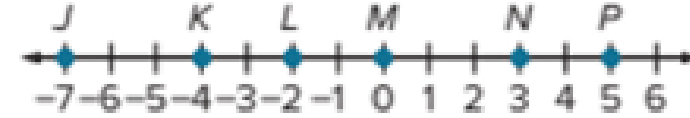
17	Find the length of a line segment on a number line (lesson 10.4)	Ex1(1-9)	577,581
----	--	----------	---------

Choose the correct answer:



3. Use the number line to find the distance KP .

- A. 8
- B. 9
- C. 10
- D. -9



4. Use the number line to find the distance NP .

- A. -2
- B. 3
- C. 4
- D. 2

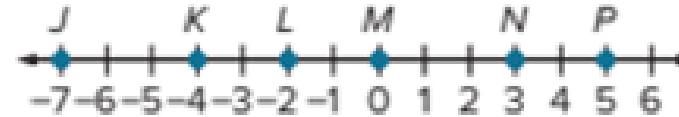
17	Find the length of a line segment on a number line (lesson 10.4)	Ex1(1-9)	577,581
----	--	----------	---------

Choose the correct answer:



5. Use the number line to find the distance JP .

- A. 10
- B. 11
- C. 12
- D. -12

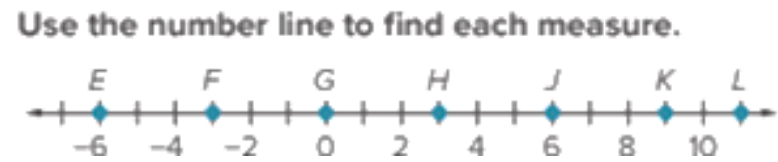


6. Use the number line to find the distance LN .

- A. 5
- B. 4
- C. 6
- D. -5

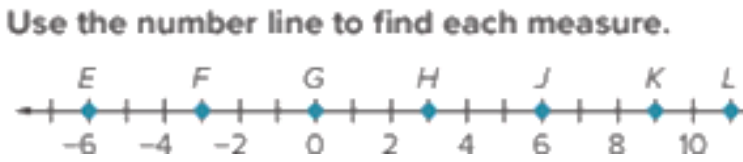
17	Find the length of a line segment on a number line (lesson 10.4)	Ex1(1-9)	577,581
----	--	----------	---------

Choose the correct answer:



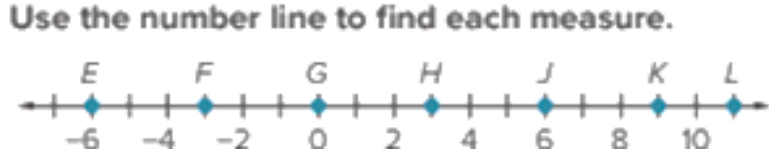
7.Use the number line to find the distance JK .

- A. 3
- B. 4
- C. -3
- D. 2



8.Use the number line to find the distance LK .

- A. 1
- B. 3
- C. 2
- D. -2



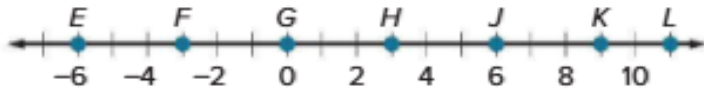
9.Use the number line to find the distance FG .

- A. -3
- B. 3
- C. 1
- D. 2

25	Calculate measures of line segments (lesson 10.4)	(7-12)	581
----	--	--------	-----

Choose the correct answer:

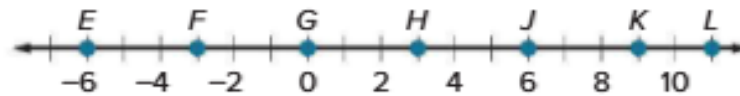
Use the number line to find each measure.



10. Use the number line to find the distance JG .

- A. 5
- B. 7
- C. 6
- D. -6

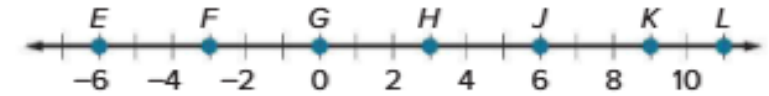
Use the number line to find each measure.



11. Use the number line to find the distance EH .

- A. 8
- B. 9
- C. 10
- D. -9

Use the number line to find each measure.



12. Use the number line to find the distance LF .

- A. 14
- B. 15
- C. 13
- D. -14

3	Find the distance between two points on the coordinate plane (lesson 10.4)	concept	579
---	---	---------	-----

Choose the correct answer:

Which formula is used to find the distance between two points on the coordinate plane?

A. $PQ = \sqrt{(x_2 - x_1) + (y_2 - y_1)}$

B. $PQ = (x_2 - x_1)^2 + (y_2 - y_1)^2$

C. $PQ = \sqrt{(x_2 - x_1)^2 - (y_2 - y_1)^2}$

D. $PQ = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

EOT Solution -Math - Grade 9 GEN -Term 3 (Reveal) 2025-2026

18	Find the distance between two points on the coordinate plane (lesson 10.4)	Ex3-(31-36)	579,583
----	---	-------------	---------

Choose the correct answer:

Find the distance between $J(4, 3)$ and $K(-3, -7)$.

- A. $\sqrt{149}$
- B. $\sqrt{51}$
- C. 149
- D. $\sqrt{149} - 10$

18	Find the distance between two points on the coordinate plane (lesson 10.4)	Ex3-(31-36)	579,583
----	---	-------------	---------

Choose the correct answer:

31. Find the distance between $M(-4, 9)$ and $N(-5, 3)$.

Round to the nearest tenth if necessary.

- A. 6.1
- B. $\sqrt{35}$
- C. 7
- D. $\sqrt{37}$

32. Find the distance between $C(2, 4)$ and $D(5, 7)$.

Round to the nearest tenth if necessary.

- A. $\sqrt{18}$
- B. 5.2
- C. 4.2
- D. 18

18	Find the distance between two points on the coordinate plane (lesson 10.4)	Ex3-(31-36)	579,583
----	---	-------------	---------

Choose the correct answer:

33. Find the distance between $A(5, 1)$ and $B(3, 6)$.

Round to the nearest tenth if necessary.

A. $\sqrt{21}$

B. 5.4

C. $\sqrt{29}$

D. 29

.

34. Find the distance between $V(4, 4)$ and $X(5, 8)$.

Round to the nearest tenth if necessary.

A. $\sqrt{17}$

B. 4.1

C. $\sqrt{9}$

D. 17

18	Find the distance between two points on the coordinate plane (lesson 10.4)	Ex3-(31-36)	579,583
----	---	-------------	---------

Choose the correct answer:

35. Find the distance between $S(6, 4)$ and $T(3, 2)$.

Round to the nearest tenth if necessary.

- A. 3.6
- B. $\sqrt{10}$
- C. 5
- D. 10

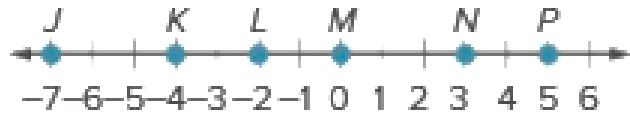
36. Find the distance between $M(-1, 8)$ and $N(-3, 3)$.

Round to the nearest tenth if necessary.

- A. $\sqrt{29}$
- B. 5.4
- C. 29
- D. $\sqrt{21}$

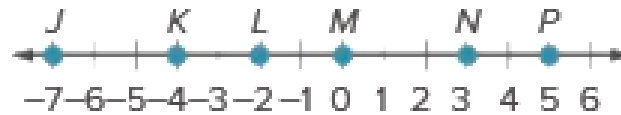
19	Find the coordinate of a midpoint on a number line (lesson 10.7)	(1-6)	605
----	--	-------	-----

Choose the correct answer:



1. Use the number line to find the midpoint of $\overline{KM}$.

- A. -3
- B. -2
- C. -1
- D. 0



2. Use the number line to find the midpoint of $\overline{JP}$.

- A. 1
- B. 0
- C. -1
- D. -2

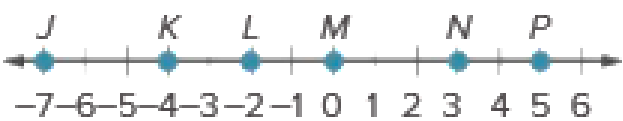


3. Use the number line to find the midpoint of $\overline{LN}$.

- A. 0.5
- B. 0
- C. 2
- D. 3 - 1.5

19	Find the coordinate of a midpoint on a number line (lesson 10.7)	(1-6)	605
----	--	-------	-----

Choose the correct answer:



4.Use the number line to find the midpoint of $\overline{MP}$.

- A. 2
- B. 3
- C. 2.5
- D. 4



5.Use the number line to find the midpoint of $\overline{LP}$.

- A. 1
- B. 1.5
- C. 2
- D. 3



6.Use the number line to find the midpoint of $\overline{JN}$.

- A. −1
- B. −2
- C. 0
- D. 1

20	Find the coordinates of the midpoint or endpoint of a line segment on the coordinate plane (lesson 10.7)	(19-24)	606
----	---	---------	-----

Choose the correct answer:

19. Find the coordinates of the midpoint of the segment with endpoints $(5, 11)$ and $(3, 1)$.

- A. $(4, 5)$
- B. $(4, 6)$
- C. $(8, 12)$
- D. $(2, 5)$

20. Find the coordinates of the midpoint of the segment with endpoints $(7, -5)$ and $(3, 3)$.

- A. $(5, -1)$
- B. $(10, -2)$
- C. $(4, -1)$
- D. $(5, 1)$

20	Find the coordinates of the midpoint or endpoint of a line segment on the coordinate plane (lesson 10.7)	(19-24)	606
----	---	---------	-----

Choose the correct answer:

21. Find the coordinates of the midpoint of the segment with endpoints $(-8, -11)$ and $(2, 5)$.

- A. $(-3, -3)$
- B. $(-3, -6)$
- C. $(-5, -3)$
- D. $(-6, -5)$

22. Find the coordinates of the midpoint of the segment with endpoints $(7, 0)$ and $(2, 4)$.

- A. $(4.5, 2)$
- B. $(5, 2)$
- C. $(4, 1)$
- D. $(9, 4)$

20	Find the coordinates of the midpoint or endpoint of a line segment on the coordinate plane (lesson 10.7)	(19-24)	606
----	---	---------	-----

Choose the correct answer:

23. Find the coordinates of the midpoint of the segment with endpoints $(-5, 1)$ and $(2, 6)$.

- A. $(-1.5, 3.5)$
- B. $(-3, 7)$
- C. $(1, 3)$
- D. $(-1.5, 2.5)$

24. Find the coordinates of the midpoint of the segment with endpoints $(-4, -7)$ and $(12, -6)$.

- A. $(4, -6.5)$
- B. $(8, -13)$
- C. $(4, -1)$
- D. $(6, -6)$

21	Find the coordinates of the midpoint or endpoint of a line segment on the coordinate plane (lesson 10.7)	(33-38)	606
----	---	---------	-----

Choose the correct answer:

33. Point B is the midpoint of $\overline{AC}$. Find the coordinates of A if $C(-5, 4)$ and $B(-2, 5)$.

- A. $(1, 6)$
- B. $(-1, 5)$
- C. $(2, 4)$
- D. $(-3, 6)$

21	Find the coordinates of the midpoint or endpoint of a line segment on the coordinate plane (lesson 10.7)	(33-38)	606
----	---	---------	-----

Choose the correct answer:

34. Point B is the midpoint of $\overline{AC}$. Find the coordinates of C if $A(1, 7)$ and $B(-3, 1)$.

- A. $(-7, 5)$
- B. $(-5, -7)$
- C. $(-6, -5)$
- D. $(-7, -5)$

21	Find the coordinates of the midpoint or endpoint of a line segment on the coordinate plane (lesson 10.7)	(33-38)	606
----	---	---------	-----

Choose the correct answer:

35. Point B is the midpoint of $\overline{AC}$. Find the coordinates of C if $A(-4, 2)$ and $B(6, -1)$.

- A. $(-16, -4)$
- B. $(8, -2)$
- C. $(16, -4)$
- D. $(14, -6)$

21	Find the coordinates of the midpoint or endpoint of a line segment on the coordinate plane (lesson 10.7)	(33-38)	606
----	---	---------	-----

Choose the correct answer:

36. Point B is the midpoint of $\overline{AC}$. Find the coordinates of A if $C(-6, -2)$ and $B(-3, -5)$.

- A. $(0, -10)$
- B. $(0, -8)$
- C. $(-9, -8)$
- D. $(-6, -7)$