نموذج امتحان متقدم ريفيل





تم تحميل هذا الملف من موقع المناهج الإماراتية	
موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف التاسع المتقدم ⇦ رياضيات ⇦ الفصل الأول ⇦ الامتحان النهائي ⇦ الملف	
تاريخ إضافة الملف على موقع المناهج: 2026-11-22 19:24:32	
ملفات ا كتب للمعلم ا كتب 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 ا للمدرس	المزيد من مادة رياضيات:
إعداد: Aghead .Mr	

التواصل الاجتماعي بحسب الصف التاسع المتقدم

صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

المزيد من الملفات بحسب الصف التاسع المتقدم والمادة رياضيات في الفصل الأول

1	نموذج امتحان متقدم ريفيل
2	بنك أسئلة امتحانات سابقة ريفيل
3	ملزمة وفق الهيكل الوزاري 2027 ريفيل
4	الهيكل الوزاري 2027 - ريفيل
5	شرح دوال القيمة المطلقة والتحويلات الهندسية

تحميل تطبيق المناهج للهواتف الذكية	
تطبيق المناهج على Store App (آبل)	تطبيق المناهج على Play Google (أندرويد)

وزارة التربية والتعليم
MINISTRY OF EDUCATION

نموذج امتحان رياضيات
الصف التاسع متقدم
الفصل الدراسي الأول 2027-2026
ريفيل

اِحجِزْ مَكانَكَ وَاستَعِدَّ لِلْامتِحَانِ بِثِقَةٍ كَامِلَةٍ

احصل على الشرح الكامل للصف من خلال:

التواصل والحجز عبر الـ Whatsapp
اضغط على الرقم: 0566991363



للتواصل والحجز

للانتقال إلى المواقع
اضغط هنا

شرح الدروس

انضم للقناة

Mr. Aghead

MR. AGHEAD 0566991363

يمكنكم الحصول على



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لا تتردد في التواصل
معنا قم بمسح الـ QR

Part 1: Multiple Choice Questions (MCQ)

Question 1: Use properties of equality to solve the equation: $\frac{22-w}{3} = -7$

A. $w = 43$
B. $w = -43$
C. $w = 1$
D. $w = -1$

Question 2: Write an equation for the sentence: "Nine times a number y subtracted from 85 is seven times the sum of four and y."

A. $9y - 85 = 7(4 + y)$
B. $85 - 9y = 7(4 + y)$
C. $85 - 9y = 7\ times\ 4 + y$
D. $9(85 - y) = 7(4 + y)$

Question 3: Solve the equation: $\frac{3v+12}{6} = \frac{4v}{3}$

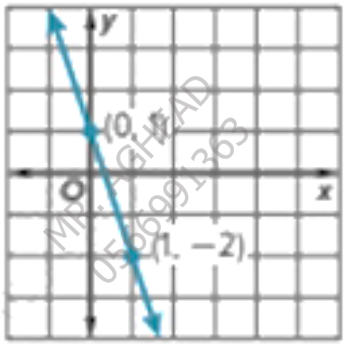
A. $v = 12$
B. $v = -2.4$
C. $v = 2.4$
D. $v = 36$

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Question 4: The manufacturer of an oven specifies a temperature tolerance of ±15°F. Write and solve an absolute value equation to find the maximum and minimum temperatures inside the oven when the thermostat is set to 400°F.

A. $\|t - 400\| = 15$; Maximum: 415°F, Minimum: 385°F
B. $\|t - 15\| = 400$; Maximum: 415°F, Minimum: 385°F
C. $\|t + 400\| = 15$; Maximum: 415°F, Minimum: 385°F
D. $\|t - 400\| = 15$; Maximum: 400°F, Minimum: 370°F

Question 5: Find the slope of the line shown in the graph passing through $(0, 1)$ and $(1, -2)$.



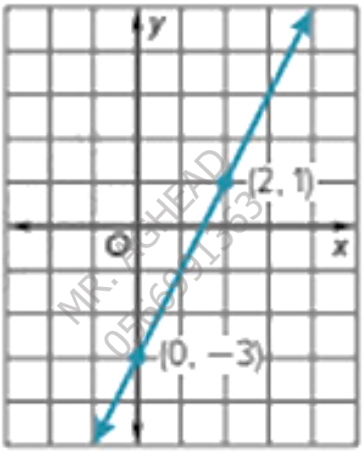
A. $m = 3$
B. $m = \frac{1}{3}$
C. $m = -3$
D. $m = -1$

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Question 6: Solve the proportion. If necessary, round to the nearest hundredth: $\frac{5}{7k+4} = \frac{2}{2k-3}$

A. $k = -5.75$
B. $k = 5.75$
C. $k = -23$
D. $k = 4$

Question 7: Write an equation in slope-intercept form for the graph shown.



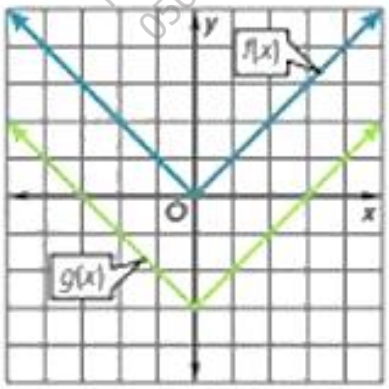
A. $y = -2x - 3$
B. $y = \frac{1}{2}x - 3$
C. $y = 2x - 3$
D. $y = 3x - 2$

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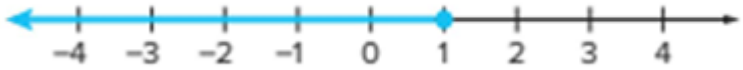
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Question 8: translation Of Absolute value Functions, Describe the translation in $g(x) = |x - 3|$ as it relates to the graph of the parent function $f(x) = |x|$.



A. A vertical translation 3 units up
B. A vertical translation 3 units down
C. A horizontal translation 3 units to the right
D. A horizontal translation 3 units to the left

Question 9: Write an inequality that represents the graph shown on the number line.



A. $x \leq 1$
B. $x < 1$
C. $x \geq 1$
D. $x > 1$

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Question 10: Determine whether the sequence $-12.3, -9.7, -7.1, -4.5, \ldots$ is an arithmetic sequence. Justify your reasoning.

A. Yes; common difference $d = 2.6$
B. Yes; common difference $d = -2.6$
C. No; the difference between consecutive terms is not constant
D. No; decimal numbers cannot form arithmetic sequences

Question 11: Solve the linear inequality: $8a + 2(1 - 5a) \leq 20$

A. $a \geq 9$
B. $a \leq -9$
C. $a \geq -9$
D. $a \leq 9$

Question 12: Solve the absolute value inequality: $|3h - 3| < 12$

A. $-3 \leq h \leq 5$
B. $h < -3$ or $h > 5$
C. $-5 < h < 3$
D. $-3 < h < 5$

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Question 13: Describe the dilation in $g(x) = (0.4x)$ as it relates to the graph of the parent function $f(x) = x$.

A. Vertical stretch by a factor of 0.4
B. Horizontal stretch by a factor of $\frac{1}{0.4} = 2.5$ (or vertical compression by a factor of 0.4)
C. Horizontal compression by a factor of 0.4
D. Vertical translation up 0.4 units

Question 14: Write an equation in point-slope form for the line that passes through $(1, -3)$ and $(4, -15)$.

A. $y - 3 = -4(x + 1)$
B. $y + 3 = -4(x - 1)$
C. $y + 3 = -\frac{1}{4}(x - 1)$
D. $y - 15 = 4(x - 4)$

Question 15: Write an equation in slope-intercept form for the line that passes through $(1, -2)$ and is perpendicular to the graph of $3x + 2y = 12$.

A. $y = -\frac{3}{2}x + 6$
B. $y = \frac{2}{3}x - \frac{8}{3}$
C. $y = \frac{2}{3}x + \frac{8}{3}$
D. $y = -\frac{3}{2}x - 2$

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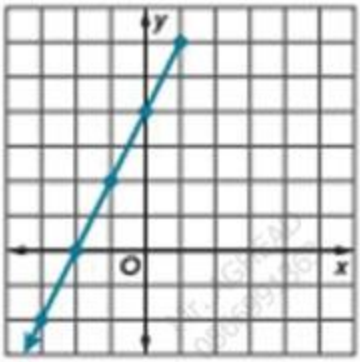
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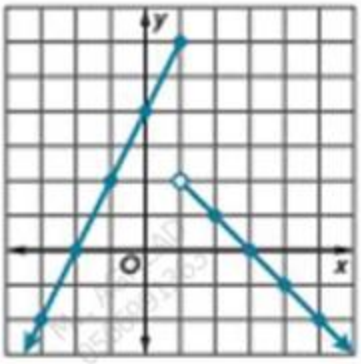
Question 16: Find the inverse of the relation: $\{(5,-3),(2,-9),(-1,-15),(-4,-21)\}$

A. $\{(-5,3),(-2,9),(1,15),(4,21)\}$
B. $\{(-3,-5),(-9,-2),(-15,1),(-21,4)\}$
C. $\{(-3,5),(-9,2),(-15,-1),(-21,-4)\}$
D. $\{(3,-5),(9,-2),(15,1),(21,4)\}$

Question 17: Which of the following correctly describes the graph, domain, and range of the piecewise-defined function $f(x) = 2x + 4$ if $x \leq 1$, and $f(x) = -x + 3$ if $x > 1$?

A. Closed dot at $(1,6)$, open circle at $(1,2)$; Domain: $(-\infty,+\infty)$, Range: $y \leq 6$
B. Open circle at $(1,6)$, open circle at $(1,2)$; Domain: $(-\infty,+\infty)$, Range: $y < 6$
C. Closed dot at $(1,6)$, open circle at $(1,2)$; Domain: $x \leq 1$, Range: $y \geq 2$
D. Open circle at $(1,6)$, open circle at $(1,2)$; Domain: $(-\infty,+\infty)$, Range: all real numbers





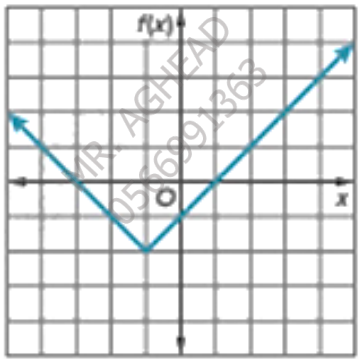
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Question 18: Find the value of $f(-1.75)$ using the greatest integer step function $f(x) = [x + 1]$.

A. -1	
B. -2	
C. 0	
D. 0.75	

x	$x+1$	$[x+1]$	
-2	-1	-1	-1, -0.75, and 0.25 are greater than or equal to -1 but less than 0. So, -1 is the greatest integer that is not greater than -1, -0.75, or 0.25.
-1.75	-0.75	-1	
-1.25	-0.25	-1	
-1	0	0	0, 0.5, and 0.75 are greater than or equal to 0 but less than 1. So, 0 is the greatest integer that is not greater than 0, 0.5, or 0.75.
-0.5	0.5	0	
-0.25	0.75	0	
0	1	1	1, 1.25, and 1.5 are greater than or equal to 1 but less than 2. So, 1 is the greatest integer that is not greater than 1, 1.25, or 1.5.
0.25	1.25	1	
0.5	1.5	1	
1	2	2	2, 2.25, and 2.75 are greater than or equal to 2 but less than 3. So, 2 is the greatest integer that is not greater than 2, 2.25, or 2.75.
1.25	2.25	2	
1.75	2.75	2	

Question 19: Use the graph of the absolute value function to write its equation.



A. $f(x) = \|x + 1\| + 2$
B. $f(x) = \|x - 1\| - 2$
C. $f(x) = \|x + 1\| - 2$
D. $f(x) = \|x - 1\| + 2$

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Question 20: Determine another point on the line that passes through $(-2, 9)$ and $(2, -1)$.

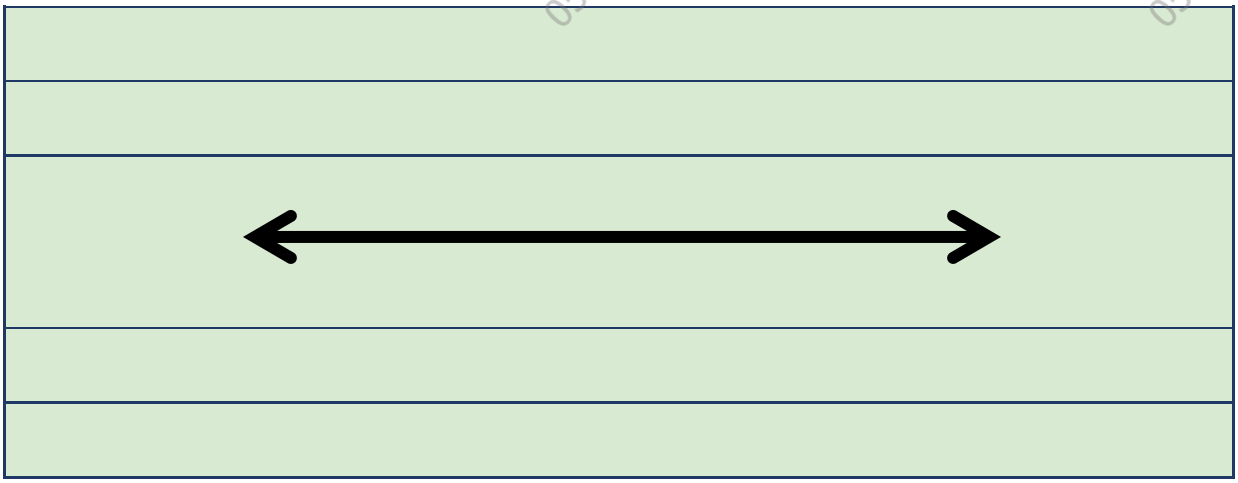
A. $(0, 5)$
B. $(1, 2)$
C. $(0, 4)$
D. $(-1, -6)$

Part 2: Free Response Questions (FRQ)

Question 21: Solve each part and show all steps:

a. Solve the compound inequality $-5 < 3p + 7 \leq 22$ and graph the solution set on a number line.

b. Solve the equation $6(3a + 1) - 30 = 3(2a - 4)$ by applying the Distributive Property.



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Question 22: Graph the linear equation $x = 5y + 5$ by using the x- and y-intercepts.

Question 23: Write an equation in slope-intercept form for the line that passes through $(-2, 3)$ and is:

a. parallel to the graph of $y = -\frac{3}{4}x + 4$.

b. perpendicular to the graph of $y = -\frac{3}{4}x + 4$.

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Question 24: AUDITORIUM SEATING: Row 1 has 20 seats, Row 2 has 22 seats, Row 3 has 24 seats, and so on for 25 rows.

a. Create a function $f(n)$ to represent the arithmetic sequence.

b. How many seats are in the last row (25th row)?

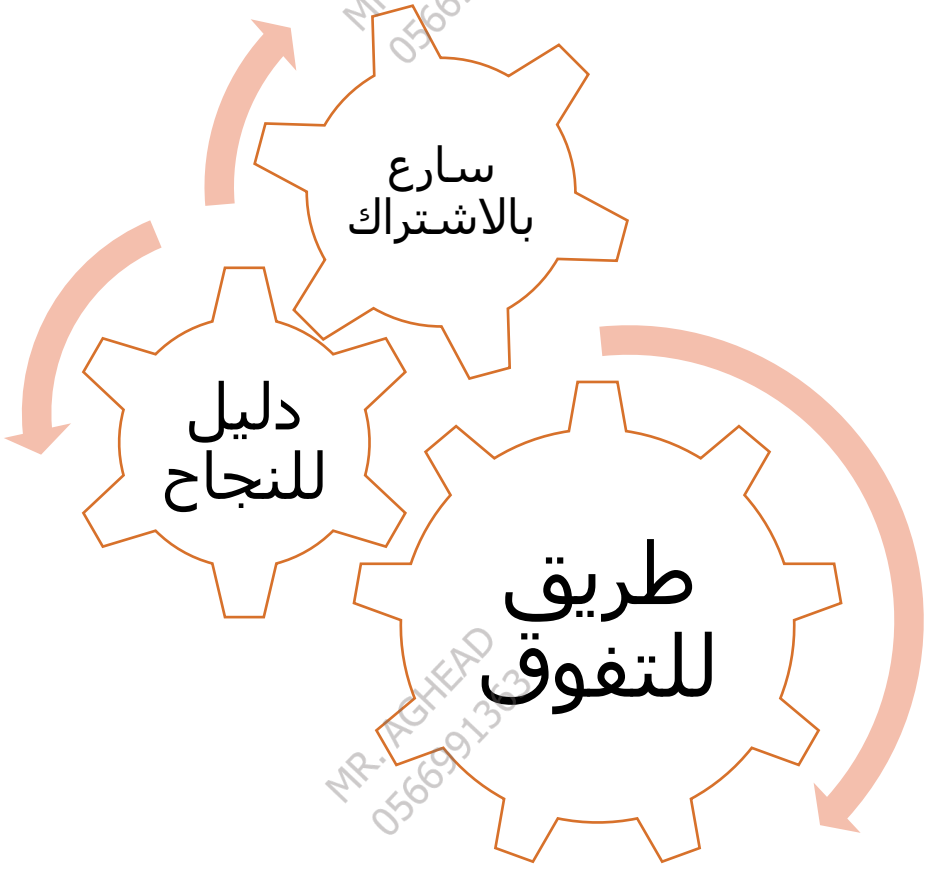
Question 25: Consuelo is buying flavored coffee and plain coffee. The total amount of money she spends is $T = 5.50p + 7f$, where p is the number of packages of plain coffee and f is the number of packages of flavored coffee.

a. If Consuelo has $40 to spend on coffee, describe the constraints on p and f.

b. Solve the formula for f.

c. If Consuelo needs to buy 3 packages of plain coffee, what is the maximum number of packages of flavored coffee she can buy?

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النهاية ...

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