# نموذج امتحان ريفيل – أسئلة اختيار من متعدد




| تم تحميل هذا الملف من موقع المناهج الإماراتية | |
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| موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف التاسع العام ⇦ رياضيات ⇦ الفصل الأول ⇦ الامتحان النهائي ⇦ الملف | |
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| إعداد: Aghead | |

| التواصل الاجتماعي بحسب الصف التاسع العام | | | | | |
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| صفحة المناهج الإماراتية على فيسبوك | | | | | |
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| المزيد من الملفات بحسب الصف التاسع العام والمادة رياضيات في الفصل الأول | |
|---|---|
| 1 | نموذج امتحان ريفيل – أسئلة اختيار من متعدد |
| 2 | نموذج امتحان أسئلة موضوعية |
| 3 | أسئلة امتحانية للوحدة الأولى التعابير والمعادلات والدوال |
| 4 | أسئلة الجزء الكتابي – ريفيل |
| 5 | أسئلة اختيار من متعدد في التعبيرات العددية واللفظية – ريفيل |

| تحميل تطبيق المناهج للهواتف الذكية | |
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وزارة التربية والتعليم
MINISTRY OF EDUCATION

# نموذج امتحان رياضيات
# الصف التاسع عام
# الفصل الدراسي الأول 2026-2027
# 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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التواصل والحجز عبر الـ Whatsapp
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لا تتردد في التواصل
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## Part 1: Multiple Choice Questions (MCQ)

Question 1: Write a numerical expression for the verbal expression: "the sum of thirty-six and fourteen divided by the product of two and five."

| |
|---|
| A. $\frac{36+14}{2+5}$ |
| B. $\frac{36-14}{2\times5}$ |
| C. $\frac{36+14}{2\times5}$ |
| D. $36+\frac{14}{2\times5}$ |

Question 2: Rewrite the expression $(\frac{1}{3}-2b)27$ using the Distributive Property. Then simplify.

| |
|---|
| A. $\frac{1}{3}(27)-2b;\ 9-2b$ |
| B. $\frac{1}{3}(27)+(2b)(27);\ 9+54b$ |
| C. $\frac{1}{3}(27)+(-2b)(27);\ 9-54b$ |
| D. $\frac{1}{3}(27)+(-2b)(27);\ 81-54b$ |

Question 3: Solve the equation: $\frac{3}{4}=w+\frac{2}{5}$

| |
|---|
| A. $w=\frac{7}{20}$ |
| B. $w=\frac{23}{20}$ |
| C. $w=\frac{1}{9}$ |
| D. $w=-\frac{7}{20}$ |



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Question 4: Solve the equation $\frac{10ac - x}{11} = -3$ for $a$.

| |
|---|
| A. $a = \frac{-33 - x}{10c}$ |
| B. $a = \frac{33 + x}{10c}$ |
| C. $a = \frac{-33 + x}{10c}$ |
| D. $a = \frac{-3 + x}{10c}$ |

Question 5: Identify the property of equality used to justify the statement: If $6 + 2 = 4 + 4$ and $4 + 4 = 8$, then $6 + 2 = 8$.

| |
|---|
| A. Reflexive Property of Equality |
| B. Symmetric Property of Equality |
| C. Commutative Property |
| D. Transitive Property of Equality |

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

| |
|---|
| A. $v = 1\frac{3}{5}$ |
| B. $v = 2\frac{2}{5}$ |
| C. $v = -2\frac{2}{5}$ |
| D. $v = 3\frac{1}{5}$ |

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Question 7: Use the Distributive Property to rewrite and evaluate the expression: $5 \cdot 99$

| |
|---|
| A. $5(100 - 1) = 5(100) - 5(1) = 495$ |
| B. $5(100 + 1) = 5(100) + 5(1) = 505$ |
| C. $5(100 - 1) = 500 - 1 = 499$ |
| D. $5(90 - 9) = 450 - 45 = 405$ |

Question 8: Determine whether the function shown in the table is linear. If it is, state the rate of change.

| x | y |
|---|---|
| 11 | –5 |
| 8 | –3 |
| 5 | –1 |
| 2 | 1 |
| –1 | 3 |

| |
|---|
| A. Yes, the function is linear; the rate of change is $-\frac{2}{3}$. |
| B. Yes, the function is linear; the rate of change is $-\frac{3}{2}$. |
| C. Yes, the function is linear; the rate of change is $\frac{2}{3}$. |
| D. No, the function is not linear because the rate of change is not constant. |

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Question 9: Solve the proportion. If necessary, round to the nearest hundredth: $\frac{6}{14} = \frac{7}{x-3}$

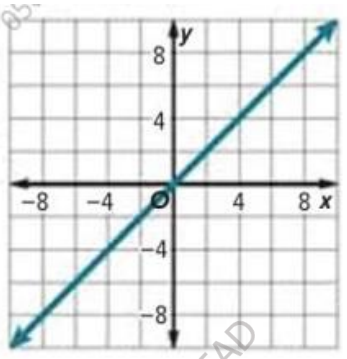
| |
|---|
| A. $x = 13.33$ |
| B. $x = 16.33$ |
| C. $x = 21.00$ |
| D. $x = 19.33$ |

Question 10: Solve the equation for $x$ (Assume $a \neq 0$): $5 = \frac{5}{ax} + 1$

| |
|---|
| A. $x = \frac{4}{5a}$ |
| B. $x = \frac{5}{6a}$ |
| C. $x = \frac{5}{4a}$ |
| D. $x = -\frac{5}{4a}$ |

Question 11: Describe the dilation in $g(x) = (\frac{3}{4}x)$ as it relates to the graph of the parent function $f(x) = x$.

| |
|---|
| A. $g(x)$ is a horizontal compression of the parent function by a factor of $\frac{3}{4}$. |
| B. $g(x)$ is a vertical stretch of the parent function by a factor of $\frac{4}{3}$. |
| C. $g(x)$ is a horizontal stretch of the parent function by a factor of $\frac{4}{3}$. |
| D. $g(x)$ is a vertical compression of the parent function by a factor of $\frac{4}{3}$. |





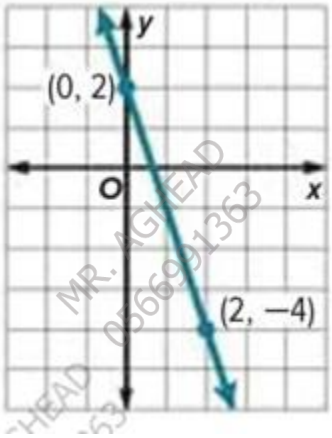

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Question 12: Write the equation in slope-intercept form: $-5x + 15y = -30$

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

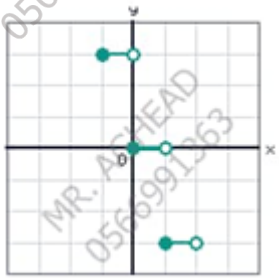
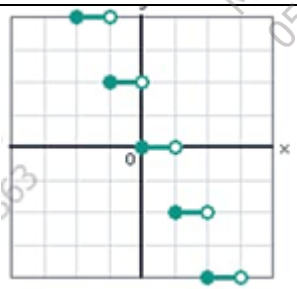
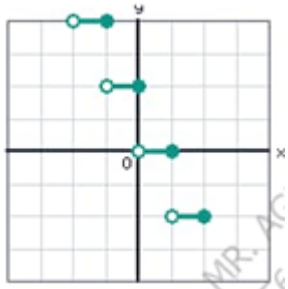
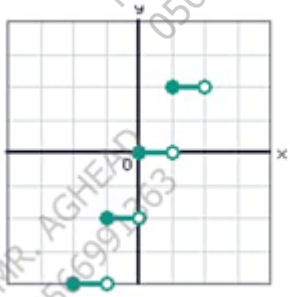
Question 13: Write an equation in slope-intercept form for the graph shown.



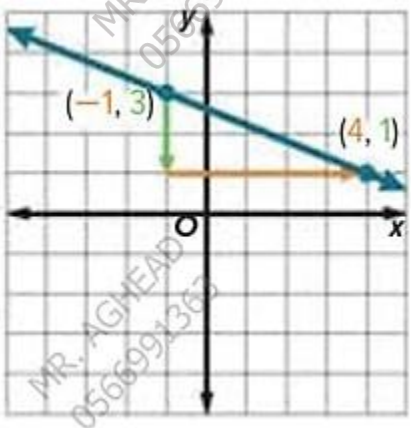

| |
|---|
| A. $y = 3x + 2$ |
| B. $y = -3x + 2$ |
| C. $y = -3x - 2$ |
| D. $y = \frac{1}{3}x + 2$ |

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Question 14: State the domain ($D$) and range ($R$) of the step function $g(x) = -2[\![x]\!]$.

| | | | |
|---|---|---|---|
|  |  |  |  |
| D. D = all real numbers, R = all integer multiples of 3 | C. D = all real numbers, R = all even integers | B. D = all even integers, R = all real numbers | A. D = all real numbers, R = all integers |

Question 15: Find the slope of the line shown in the graph.




| |
|---|
| A. $m = -\frac{2}{5}$ |
| B. $m = \frac{2}{5}$ |
| C. $m = \frac{5}{2}$ |
| D. $m = -\frac{5}{2}$ |



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Question 16: Suppose $f(x) = 2[\![x - 1]\!]$. Find $f(-1.25)$.

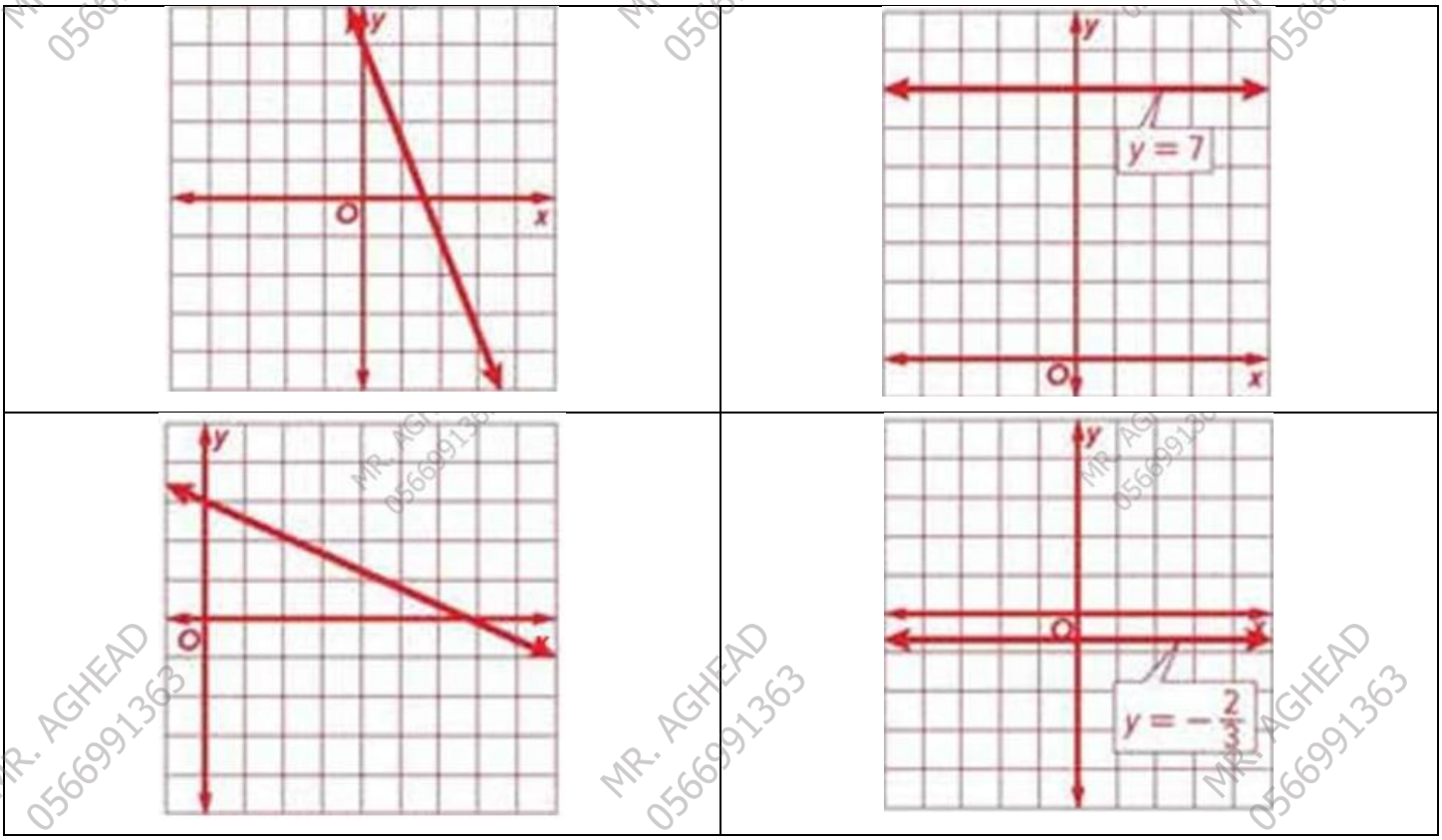
| |
|---|
| A. $-4$ |
| B. $-6$ |
| C. $-4.5$ |
| D. $-2$ |

Question 17: Determine whether the sequence $-10, -5, 0, 5, \ldots$ is an arithmetic sequence. Justify your argument.

| |
|---|
| A. This sequence has a common difference of –5 between its terms. This is an arithmetic sequence. |
| B. This sequence has a common difference of 5 between its terms. This is an arithmetic sequence. |
| C. This sequence does not have a common difference between its terms. This is not an arithmetic sequence. |
| D. This sequence has a common difference of 10 between its terms. This is an arithmetic sequence. |

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Question 18: Which graph represents the linear equation $5x + 2y = 8$?




Question 19: Write a verbal expression for the algebraic expression: $\frac{3a^5}{2}$

| |
|---|
| A. three times a number raised to the fifth power divided by two |
| B. two divided by three times a number to the fifth power |
| C. three halves plus a number to the fifth power |
| D. five times a number cubed divided by two |

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Question 20: Solve the equation: $\frac{5r}{2} - 6 = 19$

| |
|---|
| A. $r = 5.2$ |
| B. $r = 25$ |
| C. $r = 10$ |
| D. $r = -10$ |

## Part 2: Free Response Questions (FRQ)

Question 21: Evaluate the expression $\frac{2b + 3c^2}{4a^2 - 2b}$ if $a = 8, b = 4$, and $c = 16$.

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Question 22: RECTANGLES: The formula $P = 2l + 2w$ represents the perimeter of a rectangle, where $l$ is the length and $w$ is the width.

a. Solve the formula for $l$.

b. Find the length when the width is 4 meters and the perimeter is 36 meters.

Question 23: Solve each equation and state whether it has one solution, no solution, or is an identity.

a. $2x - 5(x - 3) = 2(x - 10)$

b. $-5(3 - q) + 4 = 5q - 11$

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Question 24: Graph the equation $y + 2 = \frac{1}{4}x$ by making a table of values.

| | |
|---|---|
| | |
| | |
| | |

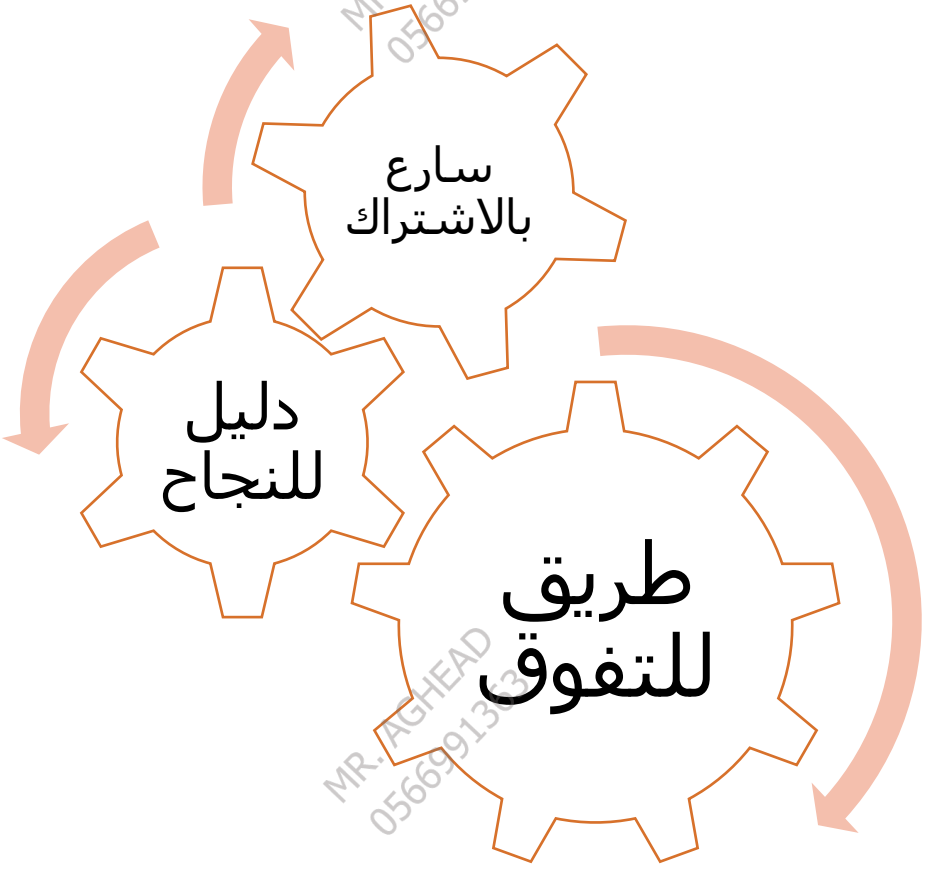
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Question 25: Graph the piecewise-defined function and state its domain and range:

$f(x) = \frac{1}{2}x - 1$ if $x > 3$, and $f(x) = -2x + 3$ if $x \leq 3$.

Question 26: Use the arithmetic sequence $-3, -8, -13, -18, \ldots$ to write an equation for the $n$th term, and then find the 7th term of the sequence.

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