

وزارة التربية والتعليم
MINISTRY OF EDUCATION

اختبار الوحدة الرابعة الرياضيات ريفيل الصف الثامن

الفصل الأول لعام 2026 - 2027

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

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يمكنكم الحصول على

شرح دروس الفصل كاملاً

بـ 99 درهم فقط

- اختبارات مع الحل
- ملزمة محلولة بالكامل

احصل على الشرح الكامل للصف من خلال:

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لا تتردد في التواصل معنا قم بمسح الـ QR

اختبار الوحدة الرابعة

الأسئلة الموضوعية - MCQ

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Question 1: The graph shows the amount of book sales over several days. Find and interpret the slope. Then find the unit rate and compare it to the slope.



A. Slope ≈ 333.3; sales increase about $333.30 per day; the unit rate is equal to the slope
B. Slope = 1000; sales increase $1000 per day; the unit rate equals the slope
C. Slope ≈ 333.3; sales increase about $333.30 per day; the unit rate is greater than the slope
D. Slope = 3; sales increase $3 per day; the unit rate is less than the slope

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Question 2: Nadia is comparing costs for two brands of garden compost. For Brand A, the cost y for x bags is shown in the table. For Brand B, the cost y can be represented by the equation $y = 1.99x$, where x represents the number of bags. Which brand costs less for 6 bags of compost? How much less?

Number of Bags, x	Total Cost ($), y
3	8.01
5	13.35

A. Brand A: $4.08 less
B. Brand B: $0.68 less
C. Brand B: $4.08 less
D. Brand A: $0.68 less

Question 3: The graph shows the amount of money left after buying video games. Find the slope of the line.



A. –120, because the starting amount is $120
B. 20, because the money increases by $20 per game
C. –6, because the line reaches $0 after 6 games
D. –20, because the money decreases by $20 per game

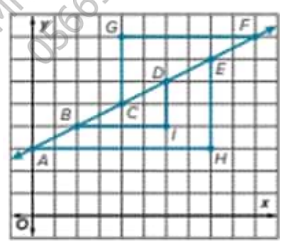
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Question 4: Find the slope of the line that passes through the pair of points: $G(-3,2), H(7,2)$

A. Undefined
B. 0
C. 1
D. 10

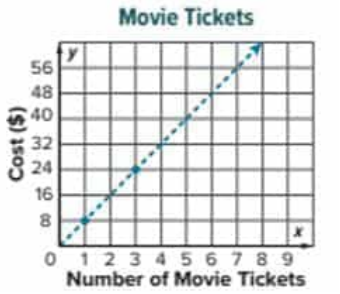
Question 5: Name the slope triangles shown in the graph. What is the slope of the line?



A. Slope: 2 ؛ △AHE, △BID, △CGF
B. Slope: $\frac{1}{2}$ ؛ △ABD, △DEF
C. Slope: 2 ؛ △ABD, △DEF
D. Slope: $\frac{1}{2}$ ؛ △AHE, △BID, △CGF

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Question 6: The cost y of movie tickets varies directly with the number of tickets x as shown in the graph. Write a direct variation equation to represent this relationship. Then identify the constant of variation and interpret its meaning.



A. $\frac{x}{8}$; constant = 1/8; each ticket costs \$0.125
B. $y = 8x$; constant = 8; each movie ticket costs \$8
C. $y = 40x$; constant = 40; five tickets cost \$8 each
D. $y = 8x$; constant = 8; 8 tickets cost \$1

Question 7: The cost of paper varies directly with the number of reams bought. Suppose two reams cost \$5.10. Write a direct variation equation to represent this relationship. Then identify the constant of variation and interpret its meaning.

A. $y = 2.55x$; constant = 2.55; each ream costs \$2.55
B. $y = 5.10x$; constant = 5.10; each ream costs \$5.10
C. $y = 2.55x$; constant = 2.55; two reams cost \$2.55
D. $y = 10.20x$; constant = 10.20; each ream costs \$10.20

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Question 8: Water pressure is measured in pounds per square inch (psi). The number of pounds per square inch y varies directly with the depth x of the water. Write and solve a direct variation equation to determine what the pressure is at a depth of 297 feet.

Depth (ft), x	Pressure (psi), y
66	29
99	43.5
132	58

A. 0.44x; the pressure is 297 psi
B. $y = \frac{29}{66}x$; the pressure is 130.5 psi
C. 29x; the pressure is 8,613 psi
D. $y = \frac{66}{29}x$; the pressure is 675.7 psi

Question 9: The graph of a relationship passes through the points (2, 15.5) and (3, 27). Determine if this is a direct variation relationship. Explain why or why not.

A. A direct variation, because the rate of change between the points is constant
B. A direct variation, because $k = 7.75$ for both points
C. Not a direct variation, because the slope of the line is negative
D. Not a direct variation, because the ratios y/x are not equal (7.75 ≠ 9), so the line does not pass through the origin

Question 10: Identify the slope for the equation: $y = 3x - 1$

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

Question 11: Write the equation of a line in slope-intercept from with the slope and y-intercept: slope$= -1$, y-intercept$= -3$

A. $y = x - 3$
B. $y = -x - 3$
C. $y = -3x - 1$
D. $y = -x + 3$

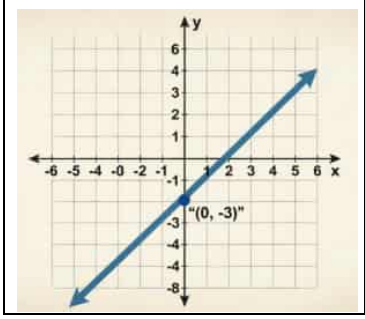
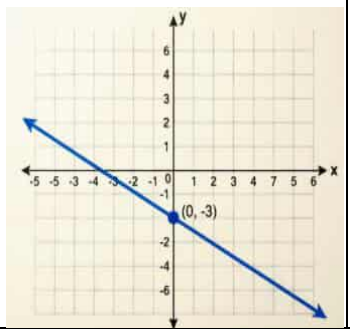
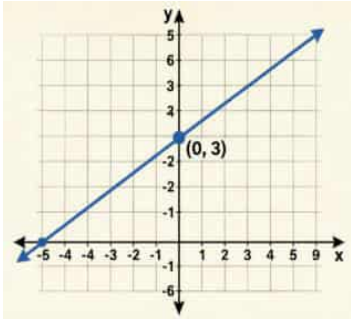
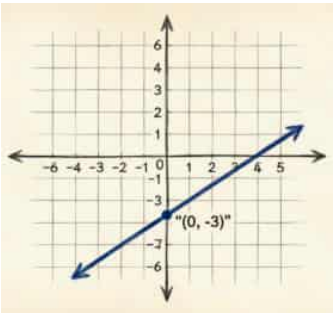
Question 12: The table shows the costs for art show participants, including the $30 registration fee. Write an equation in slope-intercept form that represents the data in the table.

Number of Pieces of Art	Cost ($)
0	30
2	90
4	150
6	210
8	270

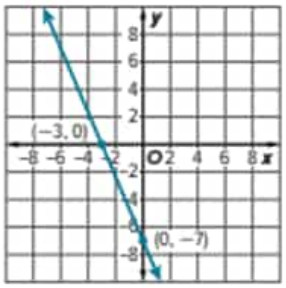
A. $y = 30x + 30$
B. $y = 30x$
C. $y = 60x + 30$
D. $y = 30x + 60$

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Question 13: Graph the equation using the slope and y-intercept: $y = \frac{3}{5}x - 3$

D.	C.	B.	A.
			

Question 14: Select the statement that is true for graph.



A. The y-intercept is 3
B. The slope of the line is $-\frac{3}{7}$
C. The equation of the line is $y = -\frac{7}{3}x - 7$
D. The equation of the line is $y = 7$

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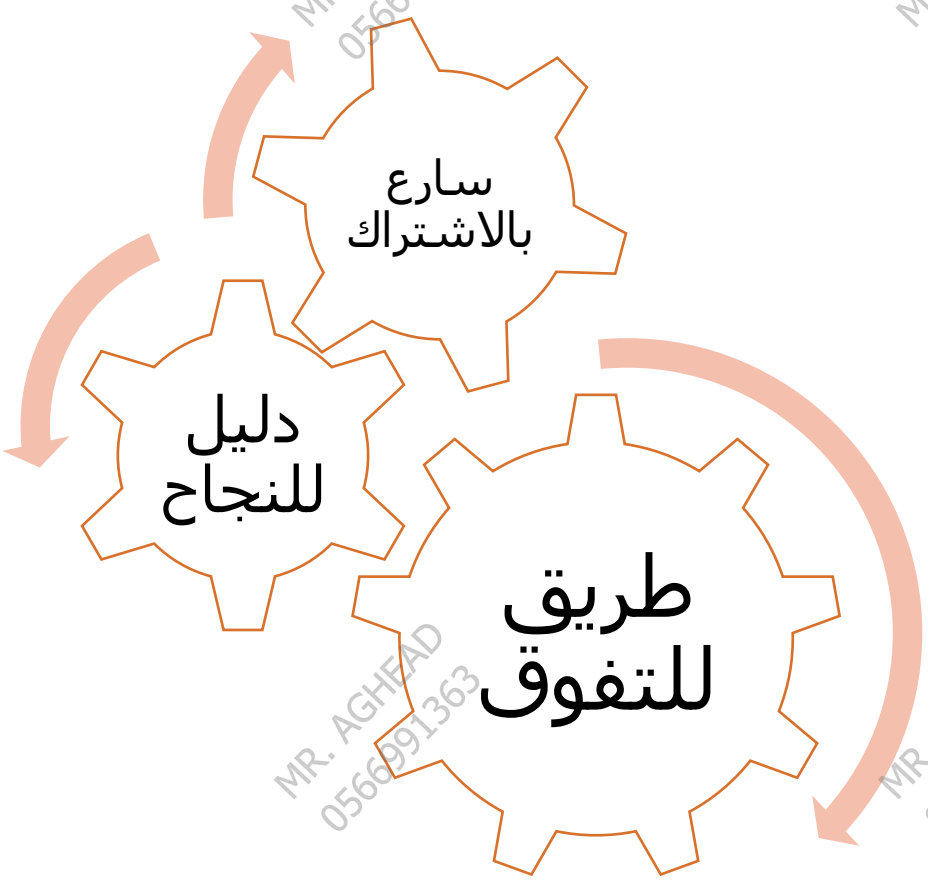
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Question 15: A line with a negative slope and a negative \(y\)-intercept is graphed on a coordinate plane. Which quadrant will the line not pass through? Justify your response.

A. Quadrant II; because a negative slope means the line falls from left to right
B. Quadrant III; because the y-intercept is negative
C. Quadrant I; because for every x > 0, y = mx + b is negative, so no point of the line has both coordinates positive
D. Quadrant IV; because the line crosses the y-axis below the origin

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مع أطيب التمنيات بالنجاح والتوفيق ...

النهاية ...

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