

OGET Sample Math Practice Test 2

Q1. Simplify the expression by combine similar terms

$$4 - (2x + 7) - (2x + 7)$$

A. $-3 - 2x$

B. $2 - 9x$

C. $-3 + 9x$

D. $3 + 2x$

Show Answers

Q2. If the sum of the numbers in **column A is equal to the sum of the numbers in **row B**, then find the **value of Y**.**

			A			
			6			
			9			
B	12	5	X	1	3	
			Y			
			3			

A. 3

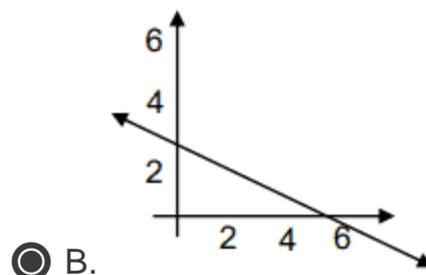
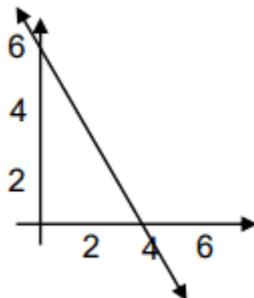
B. 6

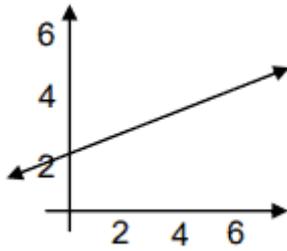
C. 9

D. 16

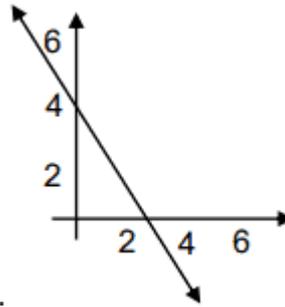
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Q3. Which is the correct graph of the equation: $4x + 3y = 12$?





C.



D.

Show Answers

Q4. Rosa deposits **\$1,600** in her bank. It is all in twenties and tens. If **z** represents the number of twenty dollar bills, which of the following represents the number of ten dollar bills?

A. $1000 - 10z / 3$

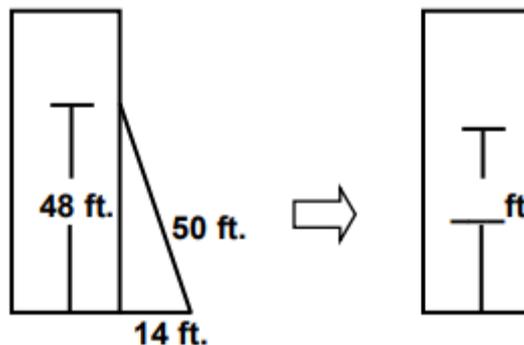
B. $1200 - 10z / 5$

C. $1600 - 20z / 10$

D. $1900 - 6z / 2$

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Q5. A **50 ft. ladder** is leaning up against a wall as shown below. If the ladder slips down the wall **8 feet**, how much further will the base of the ladder now be from the wall?



A. 4 feet

B. 8 feet

C. 16 feet

D. 20 feet

Show Answers

Q6. A rectangular box has a base that is a rectangle with width 5 in. and length 10 in. If the volume of the box is 975 cubic inches, what is the height of the box?

A. 13.6

B. 17.3

C. 17.7

D. 19.5

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Q7. A company has **16 million dollars** in total expenses for one year. A **circle graph** shows a sector of **270 degrees** representing employee salaries. How much was spent on employee salaries?

A. 10 million

B. 11 million

C. 12 million

D. 13 million

Show Answers

Q8. If $k + m = 53$ and $j + p = 20$, what is the value of $(5k + 5m)(2j + 2p)$?

A. 160

B. 1060

C. 10.6

D. 10600

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Q9. The graph of a linear equation is shown below. Which of the following tables corresponds to the graph?

A.

x	y
5	10
12	22
18	34
24	46

B.

x	y
6	10
12	17.5
24	32.5
30	40

x	y
12	18
18	28
30	45
36	50

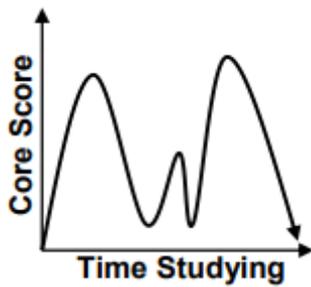
C.

x	y
0	5
6	10
12	28
18	40

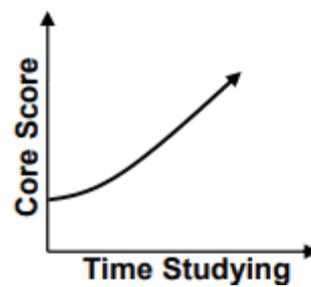
D.

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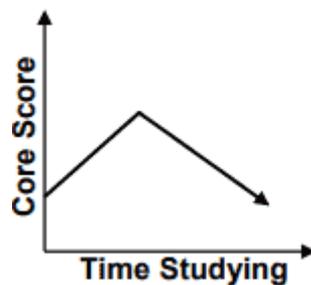
Q10. We all know that the more time we spend studying for a test the higher our test score will be. Which of the following graphs could be the graph of the relationship between time studying and score on the CORE test?



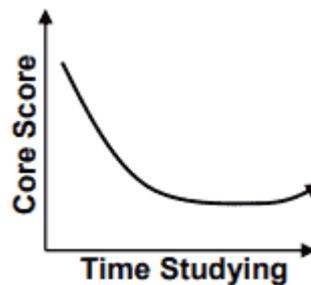
A.



B.



C.



D.

Show Answers