Name: _____
Date: _____

TCAP Practice Test

What is the product of 3.28 and 2.9?

A. 0.618

B. 6.18

C. 9.512

D. 3.608

Select the expression that shows 54 + 48 using the greatest common factor times the sum of two numbers.

A. 2(27 + 24)

B. 3(18 + 17)

C. 4(13 + 12)

D. 6(9 + 8)

Bananas cost $0.59 per pound. Write an equation that could be used to find the total cost, *y*, of *x* pounds of bananas.

Write your answer in the space provided on your answer document.

Enter the value of *w* that makes this equation true:

$$w + 4\frac{1}{5} = 13\frac{19}{20}$$

Write your answer in the space provided on your answer document.

Select **all** of the expressions that are equivalent to $4 + w + 12w$.

A. $4 + 13w$

B. $13w^2 + 4$

C. $2(2 + 6w) + w$

D. $16 + 2w$

E. $2(2 + 6w^2)$

Quinn is playing in a trivia competition. He earns 50 points for each correct response, c. He loses 25 points for each wrong response, w. Which expression represents Quinn's total points in the trivia competition?

A. $50c + 25w$

B. $25c$

C. $25c - 50w$

D. $50c - 25w$

The store has 40 bags of potato chips on the shelf. Of those, 30 bags are cheddar-flavored. What percentage of the bags of potato chips are **not** cheddar-flavored?

Write your answer in the space provided on your answer document.

Select **each** expression that shows a correct method for finding 36% of 400.

A. $36 \cdot 400$

B. $\frac{36}{100} \cdot 400$

C. $0.36 \cdot 400$

D. $\frac{0.36}{100} \cdot 400$

E. $\frac{3.6}{100} \cdot 400$

A gallon of gas costs \$2.50. Use the equation $p = 2.5g$ to find a total cost with price, p, and gallons, g. Match each number of gallons on the left with its equivalent dollar amount on the top. Mark your answers on your answer document.

	\$40.00	\$20.00	\$25.00
10 gallons	○	○	○
8 gallons	○	○	○
16 gallons	○	○	○

Which expression is equivalent to the product of 6 and y?

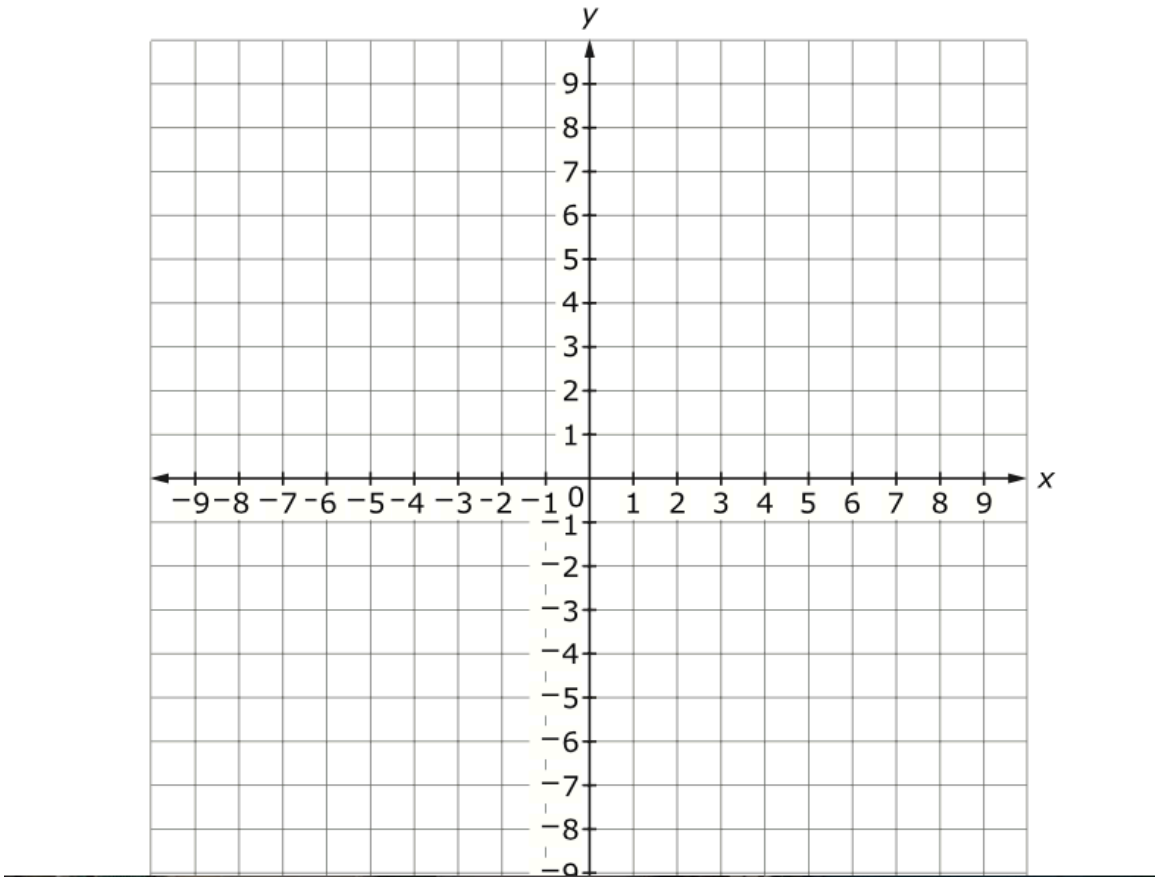
A. $6 + y$

B. $6 - y$

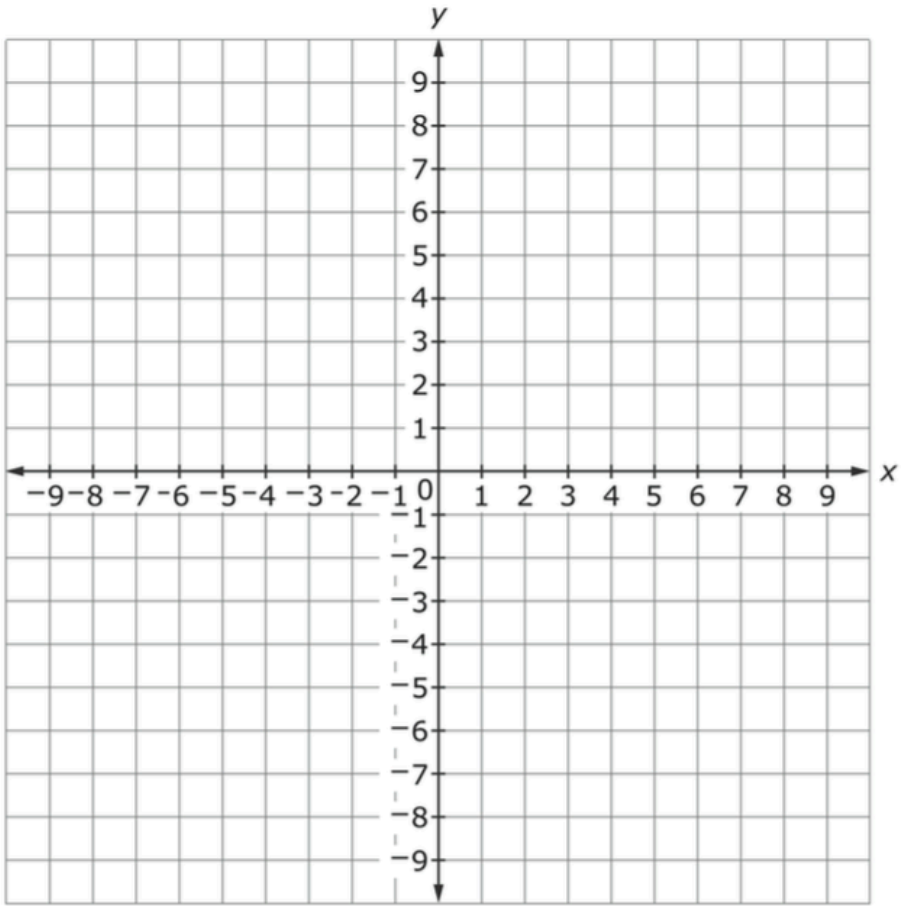
C. $\frac{6}{y}$

D. $6 \times y$

Plot the point (–4, 6) on the coordinate plane on your answer document.



Using the coordinate plane on your answer document, draw a right triangle with vertices $X(-3, 3)$, $Y(-3, -3)$, and $Z(5, -3)$.



At a bake sale, plates of cookies, p, are sold for $5 each. The amount of money from the sale of cookies is expressed as dollars, d. Which equation represents the earnings of the bake sale?

Plates of Cookies (p)	Earnings (d)
1	5
2	10
3	15
4	20

A. $p = 5d$

B. $d = p + 5$

C. $d = \frac{p}{5}$

D. $d = 5p$

The table shows the number of hours Emma babysat and her earnings.

Hours	Earnings
3	$12
5	$20
7	?
9	$36

How much did Emma earn when she babysat for 7 hours?

A. $22

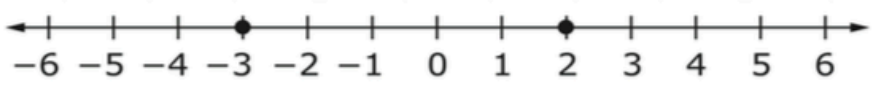
B. $24

C. $28

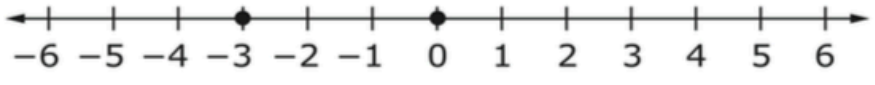
D. $32

Choose the number line on which a number and its opposite are plotted.

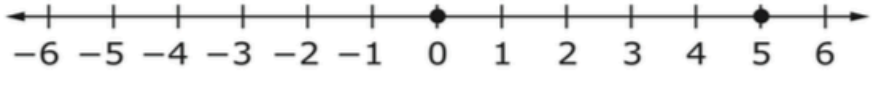
A.



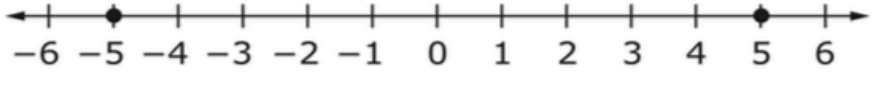
B.



C.



D.



Brandon has $50 in his savings account. He plans to deposit $20 into his savings account each month. Select **all** expressions that could be used to find the amoun of money Brandon will have in his savings account after x months of making deposits.

A. $20x - 50$

B. $20x + 50$

C. $20 + 50x$

D. $20 + 50 + x$

E. $50 + 20x$

What is the distance between the points (11, −7) and (2, −7) on a coordinate plane, in units?

A. 13

B. 9

C. 5

D. 0

Brian paid $27 for 12 gallons of gasoline. To the nearest cent, how much did one gallon of gasoline cost?

A. $0.44

B. $2.00

C. $2.25

D. $15.00

Adrianna has fabric that is $\frac{5}{4}$ yard long. She needs to cut the fabric into pieces that are $\frac{1}{8}$ yard long. How many $\frac{1}{8}$-yard-long pieces will she have?

Write your answer in the space provided on your answer document.

What is the value of $1500 \div (6^2 + 4^3) \bullet 37$?

Write your answer in the space provided on your answer document.

What is the value of $6(x + 15) - 12$ when $x = 12$?

Write your answer in the space provided on your answer document.

Select the value of r that makes $8r = 24$ true.

A. $\frac{1}{3}$

B. 3

C. 16

D. 32

Sandra earns $380 for working 20 hours. How much does she earn per hour?

A. $360

B. $190

C. $19

D. $18