

Name: _____

Class/Period: _____

Assignment: HW #19 Due Monday 3/18

Teacher: Fletcher

1 Jenny bought gas for her car.

- Gas cost \$3.45 per gallon.
- Jenny bought 12.2 gallons.

What was the total cost for Jenny's gas?

Express the answer as dollars.cents.

Answer: The total cost of Jenny's gas was .

2 What is the value of $\left(5r + \frac{1}{5}\right)^2$ when $r = 0$?

Answer: The value of the expression is .

3 Which expression is equivalent to $25x - 10y$?

- 1 $5(5x - 2y)$
- 2 $5(5x - 10y)$
- 3 $5(20x - 5y)$
- 4 $5(20x - 10y)$

4 What is the value of $(5^2 - 10) \div 5 \times 2^3$?

- 1 0
- 2 18
- 3 24
- 4 40

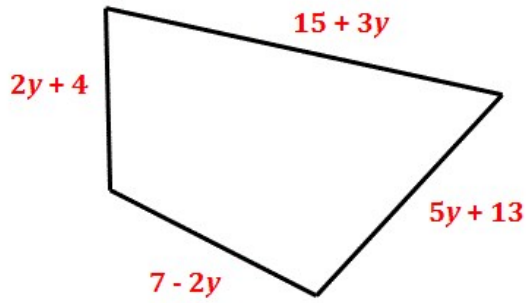
5 Which expression is equivalent to $5(4x + 3) - 2x$?

- 1 $18x + 15$
- 2 $18x + 3$
- 3 $7x + 8$
- 4 $2x + 8$

6 Evaluate the expression $x - y + 6$, when $x = 9$ and $y = 3$.

Answer:

7 Which expression represents the perimeter of the quadrilateral?



- 1 $15y + 39$
- 2 $8y + 39$
- 3 $30y + 18$
- 4 $29y + 18$

8 You are playing a matching game in math class. To make a match, the expressions on each card must be equivalent expressions.

Match 1:

$$2x + x + 3x$$

$$5x$$

Match 2:

$$6y + 3y + y$$

$$10y$$

Match 3:

$$3t^3$$

$$t \cdot t \cdot 3t$$

Match 4:

$$24n^3$$

$$2n \cdot 2n \cdot 6n$$

Which expression below is also equivalent to the expressions in Match 4?

- 1 $10n + 6n + 8n$
- 2 $12n \times 2n$
- 3 $3n \times 2n \times 4n$
- 4 $2n \times 2n \times 2n \times 3n$

9 Find the product of 6, m and 5. Then, identify the coefficient.

- 1 $11m$; the coefficient is m .
- 2 $11m$; the coefficient is 11.
- 3 $30m$; the coefficient is m .
- 4 $30m$; the coefficient is 30.

10 Which expression represents “5 less than twice x ”?

- 1 $2x - 5$
- 2 $5 - 2x$
- 3 $2(5 - x)$
- 4 $2(x - 5)$

11 What is the value of $\left(\frac{3}{4}\right)^3$?

- 1 $\frac{9}{16}$
- 2 $\frac{3}{64}$
- 3 $\frac{9}{4}$
- 4 $\frac{27}{64}$

12 Simplify: $2(x + 4)$

- 1 $2x + 6$
- 2 $x + 6$
- 3 $2x + 8$
- 4 $6x$