

# Variables and Expressions Exit Quiz

## Multiple Choice

1. Which of the following is not a variable expression?

a.)  $a + 9b$

b.)  $3x + 6y$

c.)  $12 + 3z$

d.)  $24 \div 4$

2. What is the value of the expression  $15x - 4y$  when  $x = 2$  and  $y = 6$

a.) 12

b.) 6

c.) 2

d.) 24

3. Write an algebraic expression for each verbal phrase.

a. The product of  $x$  and 7 decreased by 34.

b. The quotient of 45 and  $x$  increased by 6

4. Write each as a verbal expression.

a.  $x - 216$

b.  $x \div 15$

5. If  $x = 4$ ,  $y = 5$ , and  $z = 12$ , evaluate the following by substituting these values into the following expression.

a.  $12x - 3y + 3z + 44 =$

b.  $\frac{64}{x} - \frac{25}{y} + 2z + 12 =$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

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