Name: _____ Period: _____ Date: _____

Writing and Evaluating Expressions Exit Quiz

Multiple Choice

1. The phrase "the difference of 5 and a number" as a variable expression is:

   a.) $5 - x$

   c.) $\dfrac{x}{5}$

   b.) $x - 5$

   d.) $5x$

2. The phrase "the quotient of 40 and the product of a number and -8" as a variable expression is:

   a.) $\dfrac{-8x}{40}$

   c.) $\dfrac{40}{-8x}$

   b.) $40 - 8x$

   d.) $8x - 40$

Evaluate expression to find the missing values in the tables.

3.

x	$x^2 + 2$
1	
2	
3	
4	
5	
6	

x	$x^2 + 2$
1	
2	
3	
4	
5	
6	

4. Solve the following problem.

10 friends went to the local restaurant for dinner. Each of them ordered a drink and meal, **3** ordered an appetizer, and **6** ordered cake for dessert. What is the cost of the bill if a drink costs $3, a meal costs $**20**, an appetizer costs $**5**, and a slice of cake costs $**4**?

5. Evaluate expression for the given values of the variable.

$$\frac{x+y}{5} - \frac{x-y}{2} + (4x - 3y) =$$

$$x = 16 \qquad y = 4$$

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