Name: _____ Period: _____ Date: _____

Writing a Function Rule Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. **A rule can be taken as a/an _____ representing a relationship.**

   a. Expression
   b. table
   c. Equation
   d. None of these

2. **A mathematical verbal statement is a translation into words, of an equation (or an expression) containing:**

   a. Numbers
   b. Variables
   c. Operations
   d. All of these

3. **The word 'ratio' in a mathematical verbal statement suggests that the mathematical operation to be used is:**

   a. Addition
   b. Multiplication
   c. Division
   d. Subtraction

4. **The function rule representing the verbal statement 'Twice a number x increased by 3 equals y' is:**

   a. $2x - 3 = y$
   b. $2x + 3 = y$
   c. $3x + 2 = y$
   d. $2y - 3 = x$

Part B Instructions: Answer the question below.

5. **A taxi cab charges 3$ for the first mile and 1.5$ for each additional mile. Write a rule for describing the total rate r as a function of miles m. What is the taxi rate for 16 miles?**

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Part B Instructions: Answer the question below.

A taxi cab charges 3$ for the first mile and 1.5$ for each additional mile. Write a rule for describing the total rate r as a function of miles m. What is the taxi rate for 16 miles?

Rule: ___$r = 3 + 1.5(m - 1)$___

when $m = 16$,

$r = 3 + 1.5(16 - 1)$

$r = 3 + 22.5 = 25.5\$$