Name: _____ Period: _____ Date: _____

Standard Form Exit Quiz

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

1. **The standard form of a linear equation is:**

   a. $y = mx + b$
   b. $y - y_1 = m(x - x_1)$
   c. $ax + by = c$
   d. None of these

2. **The point where a line intersects the x-axis is called:**

   a. x-intercept
   b. y-intercept
   c. z-intercept
   d. None of these

3. **The graph of the line $x = -4$ is a:**

   a. Horizontal line
   b. Vertical line
   c. slanted line
   d. None of these

4. **The point $(0, -2)$ represents a/an:**

   a. x-intercept
   b. y-intercept
   c. z-intercept
   d. None of these

Part B Instructions: Answer the question below.

5. **Find the x- and y- intercepts of the graph of the equation given below.**

$$5x - 4y = 40$$

Name: _____ Period: _____ Date: _____

Standard Form Exit Quiz

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

1. **The standard form of a linear equation is:**

   a. $y = mx + b$
   b. $y - y_1 = m(x - x_1)$
   c. $ax + by = c$
   d. None of these

2. **The point where a line intersects the x-axis is called:**

   a. x-intercept
   b. y-intercept
   c. z-intercept
   d. None of these

3. **The graph of the line $x = -4$ is a:**

   a. Horizontal line
   b. Vertical line
   c. slanted line
   d. None of these

4. **The point $(0, -2)$ represents a/an:**

   a. x-intercept
   b. y-intercept
   c. z-intercept
   d. None of these

Part B Instructions: Answer the question below.

5. **Find the x- and y- intercepts of the graph of the equation given below.**

$$5x - 4y = 40$$

For x-intercept, put $y = 0$

$$5x - 4(0) = 40 \rightarrow x = \frac{40}{5} = 8$$

For y-intercept, put $x = 0$

$$5(0) - 4(y) = 40 \rightarrow y = -\frac{40}{4} = -10$$