

Point-Slope Form Exit Quiz

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

1. The point-slope form of a linear equation is:

- a. $y - x_1 = m(x - y_1)$
- b. $y - y_1 = m(x - x_1)$
- c. $y = mx + b$
- 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 slope of a horizontal line is:

- a. zero
- b. undefined
- c. 1
- d. None of these

4. The slope formula is given as:

- a. $\text{Slope } m = \frac{y_2 - y_1}{x_2 - x_1}$
- b. $\text{Slope } m = \frac{x_2 - x_1}{y_2 - y_1}$
- c. $\text{Slope } m = x_2 - x_1$
- d. $\text{Slope } m = y_2 - y_1$

Part B Instructions: Answer the question below.

5. Write an equation in slope-intercept form of the line passing through the given points.

$$(4, 0), (-2, 1)$$