

## Patterns and Nonlinear Functions Exit Quiz

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

1. Which one of these is used for representing the relationship in a pattern?

- a. Table
- b. Ordered pairs
- c. Equation
- d. All of these

2. A function whose graph is not a straight line is a:

- a. Quadratic function
- b. Linear function
- c. Nonlinear function
- d. None of these

3. A function has one and only one input for:

- a. One output
- b. Two outputs
- c. Every output
- d. None of these

4. A function whose graph is a straight line is a:

- a. Quadratic function
- b. Linear function
- c. Cubic function
- d. None of these

**Part B Instructions:** Answer the question below.

5. The set of ordered pairs represents a function. Write a rule representing the function.

$(-1,1), (0,2), (1,3), (2,10), (3,29)$

**Rule:**

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Rule:  $y = x^3 + 2$