

Linear, Quadratic and Exponential Models Exit Quiz

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

1. The equation of the form $ax + b$ represents a:

- a. Linear Model
- b. Quadratic Model
- c. Exponential Model
- d. None of these

2. The graph of a quadratic model is a:

- a. Straight line
- b. U-shaped curve
- c. C-shaped curve
- d. Decreasing curve

3. The graph of the equation $y = e^x$ is a/an:

- a. Straight line
- b. U-shaped curve
- c. Increasing curve
- d. None of these

4. The model in which there is a common ratio for y-values is known as a/an:

- a. Exponential Model
- b. Quadratic Model
- c. Linear Model
- d. None of these

Part B Instructions: Answer the question below.

5. Graph each set of points and determine which model best represents the data set.

$(-1,-1), (-2,-2), (-3,-3), (-4,-4)$

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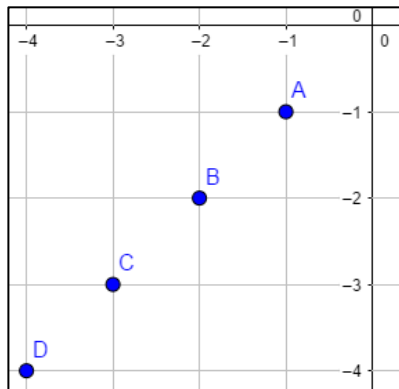
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The graph represents a **linear model** since the points make a straight line.