

Name: _____ Date: _____ Class: _____

Short Quiz / Exit Slip: Midpoint and Distance Formulas in the Coordinate Plane

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

1. A line segment has _____ midpoint(s).
 - a. 1
 - b. 2
 - c. 3
 - d. 4

2. A line segment has _____ bisector(s).
 - a. 1
 - b. 2
 - c. 3
 - d. 4

3. A bisector divides a line segment into _____ equal segments.
 - a. 1
 - b. 2
 - c. 3
 - d. 4

4. Which of the following best describes how to find the midpoint of a segment on the coordinate plane?
 - a. the x coordinate of the midpoint of a segment on a coordinate graph is found by adding the x-values of the endpoints and dividing by 2 and the y coordinate of the midpoint of a segment on a coordinate graph is found by adding the y-values of the endpoints and dividing by 2.
 - b. the y coordinate of the midpoint of a segment on a coordinate graph is found by adding the y-values of the endpoints and dividing by 2 and the x coordinate of the midpoint of a segment on a coordinate graph is found by adding the x-values of the endpoints and dividing by 2.
 - c. the x coordinate of the midpoint of a segment on a coordinate graph is found by adding the y-values of the endpoints and dividing by 2 and the x coordinate of the midpoint of a segment on a coordinate graph is found by adding the y-values of the endpoints and dividing by 2.
 - d. the y coordinate of the midpoint of a segment on a coordinate graph is found by adding the x-values of the endpoints and dividing by 2 and the y coordinate of the midpoint of a segment on a coordinate graph is found by adding the x-values of the endpoints and dividing by 2.

5. What is the distance between -1 and 3 on the number line?
 - a. 1
 - b. 2
 - c. 3
 - d. 4

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

1. How do you determine the distance between two points on a coordinate plane?

Answers: **Short Quiz / Exit Slip: Midpoint and Distance Formulas in the Coordinate Plane**

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c. the x coordinate of the midpoint of a segment on a coordinate graph is found by adding the y-values of the endpoints and dividing by 2 and the x coordinate of the midpoint of a segment on a coordinate graph is found by adding the y-values of the endpoints and dividing by 2.
d. the y coordinate of the midpoint of a segment on a coordinate graph is found by adding the x-values of the endpoints and dividing by 2 and the y coordinate of the midpoint of a segment on a coordinate graph is found by adding the x-values of the endpoints and dividing by 2.
5. What is the distance between -1 and 3 on the number line?
e. 1
f. 2
g. 3
h. 4

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

1. How do you determine the distance between two points on a coordinate plane?
