



Coordinate Plane

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A path goes from $(0, 0)$ to $(4, 0)$ to $(4, 3)$ to $(0, 3)$ and back to $(0, 0)$. What is the total distance?

- A) 12 units
- B) 14 units
- C) 10 units
- D) 16 units

2. Three corners of a square are at $(2, 1)$, $(6, 1)$, and $(6, 5)$. Where is the fourth corner?

- A) $(2, 5)$
- B) $(1, 5)$
- C) $(5, 2)$
- D) $(2, 6)$

3. Point M is at $(1, 4)$. It moves 5 units right, then 2 units down, then 3 units left. Where is it now?

- A) $(4, 2)$
- B) $(3, 2)$
- C) $(3, 6)$
- D) $(2, 3)$

4. Which pair of points has a distance of exactly 9 units?

- A) $(0, 1)$ and $(9, 1)$
- B) $(2, 3)$ and $(2, 10)$
- C) $(1, 0)$ and $(1, 8)$
- D) $(3, 5)$ and $(3, 12)$

Part B: Fill in the Blank

Write the correct answer on each line.

1. A triangle has vertices at $(1, 1)$, $(1, 6)$, and $(7, 1)$. The height is _____ units.

2. Using the same triangle, the base is _____ units.

3. A point at $(2, 5)$ moves 4 right and 3 down. Its new coordinates are (_____ , _____).

4. Two points share the same x-coordinate of 4. One is at $(4, 2)$ and the other at $(4, 10)$. They are _____ units apart.

5. A rectangle has an area of 30 square units. One pair of sides runs from $x = 1$ to $x = 6$. The height is _____ units.

Part A: Multiple Choice

Circle the best answer for each question.

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- A) 12 units
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4. Which pair of points has a distance of exactly 9 units?

- A) (0, 1) and (9, 1)
- B) (2, 3) and (2, 10)
- C) (1, 0) and (1, 8)
- D) (3, 5) and (3, 12)

Part B: Fill in the Blank

Write the correct answer on each line.

1. A triangle has vertices at (1, 1), (1, 6), and (7, 1). The height is 5 units.

2. Using the same triangle, the base is 6 units.

3. A point at (2, 5) moves 4 right and 3 down. Its new coordinates are (6 , 2).

4. Two points share the same x-coordinate of 4. One is at (4, 2) and the other at (4, 10). They are 8 units apart.

5. A rectangle has an area of 30 square units. One pair of sides runs from $x = 1$ to $x = 6$. The height is 6 units.