Coordinate Plane Word Problems - ANSWER KEY

Grade 5 | Solving map and movement problems with ordered pairs in the first quadrant | Version 5 of 10

Read each problem. In an ordered pair (x, y), x tells how far to go across and y tells how far to go up. Sketch a grid if it helps. Write distances in units and points as ordered pairs.

1. A toy robot starts at (3, 5). It moves 3 units left and then 4 units down. Where is the robot now?

Answer: **(0, 1)**

2. On a city map, the bakery is at (10, 7) and the museum is at (3, 7). How many units apart are they?

Answer: **7 units**

3. On a map, the school is at (6, 10) and the pool is at (10, 10). How many units apart are they?

Answer: **4 units**

4. A garden plan shows a tree at (4, 0) and a bench at (4, 2). How many units is it from the tree to the bench?

Answer: **2 units**

5. Eli rides a bike from (2, 9). Eli goes 4 units right and then 4 units down. Where does Eli end up?

Answer: **(6, 5)**

6. Sam starts at (0, 0) and walks 6 units right and 3 units up. At what point does Sam stop?

Answer: **(6, 3)**

7. Ivy starts at (3, 2) and walks 1 units left and 3 units up. At what point does Ivy stop?

Answer: **(2, 5)**

8. On a town map, the library is at (6, 10) and the park is at (6, 3). How many units apart are they?

Answer: **7 units**