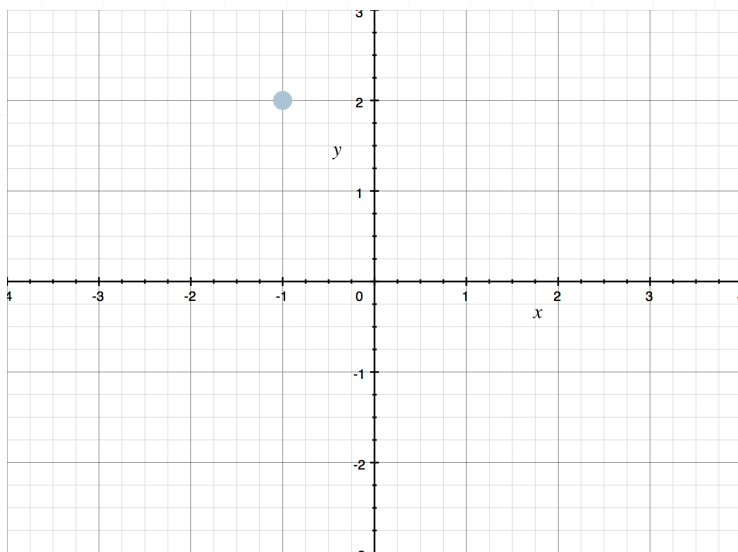
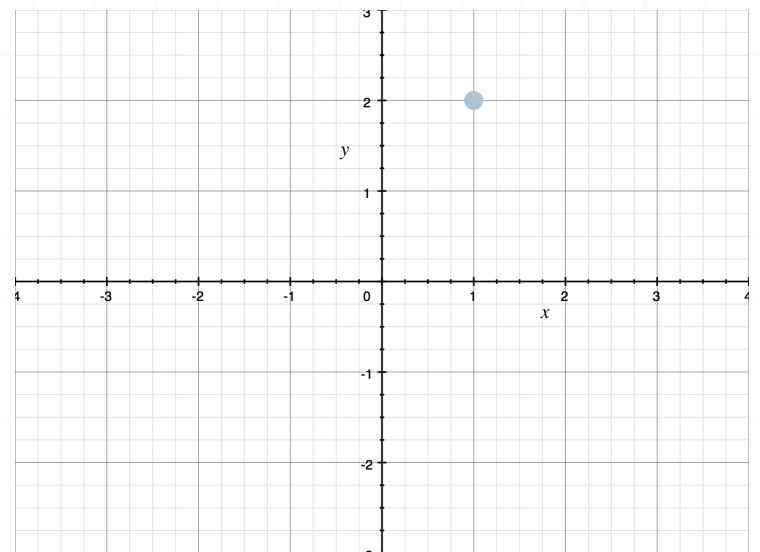
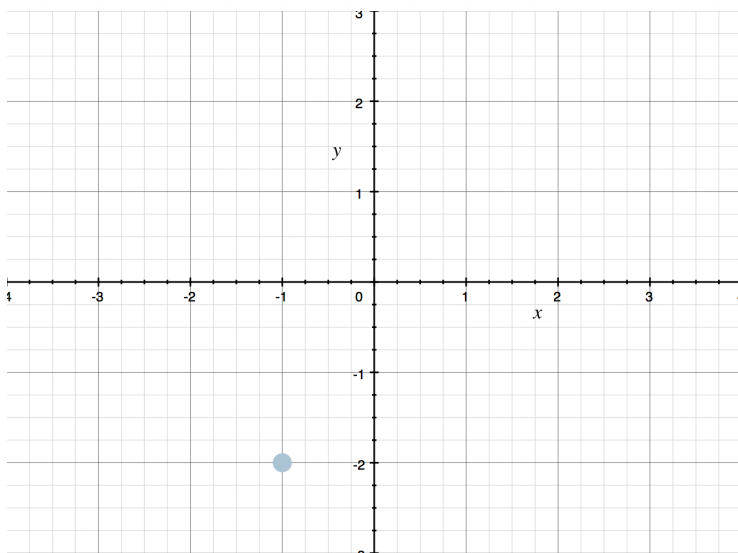
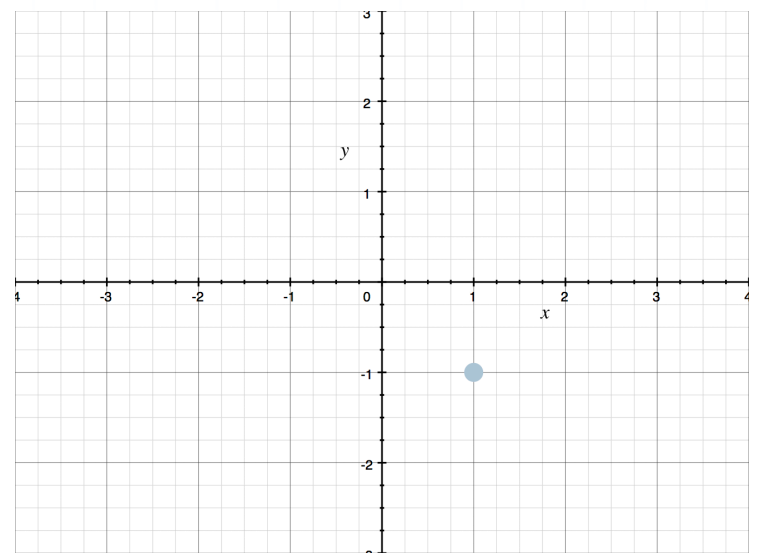


Topic: Cartesian coordinate system**Question:** Graph $(1,2)$ in the Cartesian coordinate system.**Answer choices:****A****B****C****D**

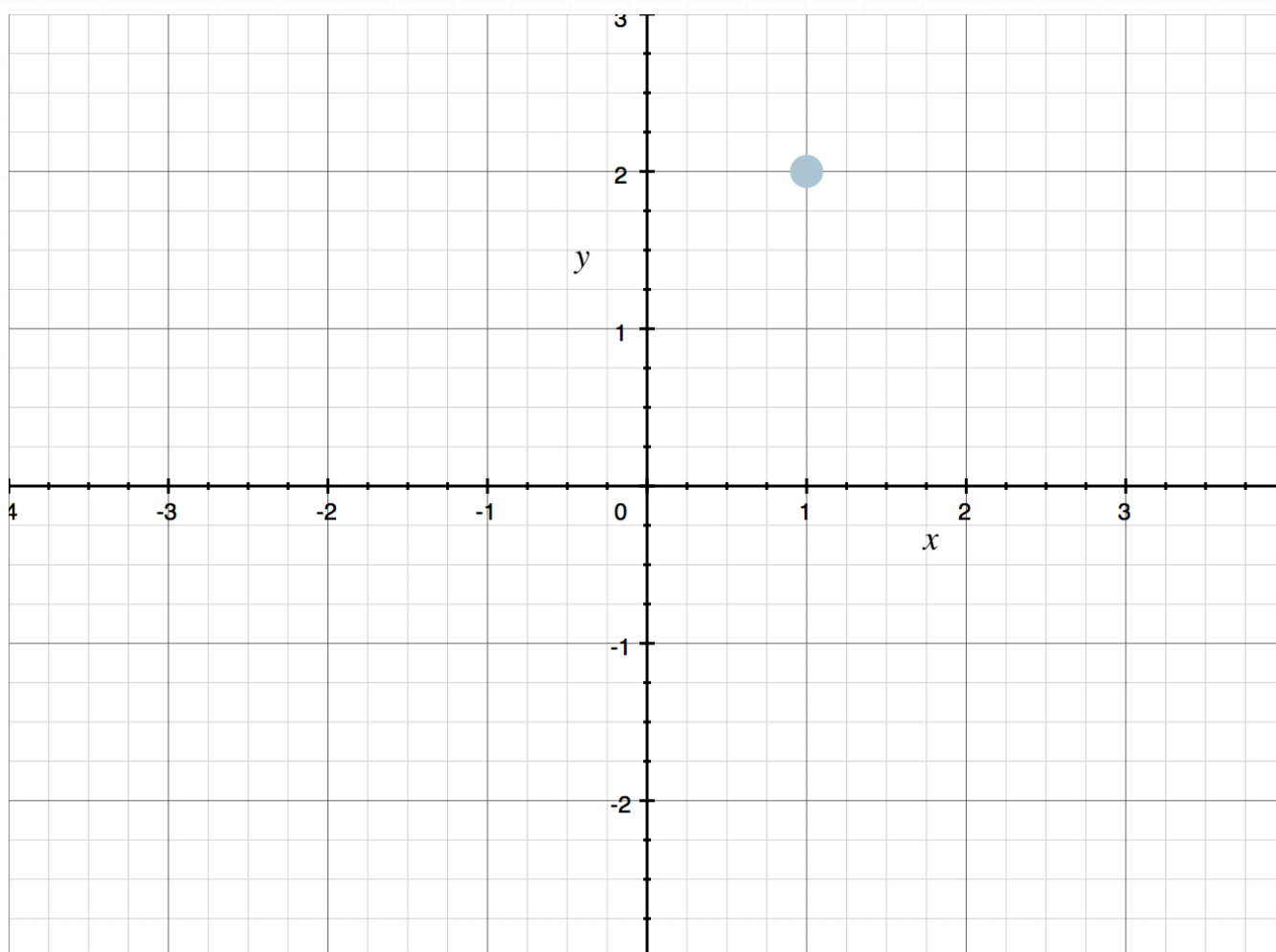
Solution: B

Since Cartesian coordinates are always given in the form (x, y) , we know that the x -coordinate is 1 and the y -coordinate is 2.

Since the x -coordinate is positive, we need to move 1 unit from the origin in the direction of the positive x -axis, which is to the right.

Then, since the y -coordinate is positive, we need to move 2 units from there in the direction of the positive y -axis, which is up.

The result is the point



Topic: Cartesian coordinate system**Question:** Which point lies in Quadrant II of the Cartesian plane?**Answer choices:**

- A $(3,1)$
- B $(3, - 1)$
- C $(-3, - 1)$
- D $(-3,1)$



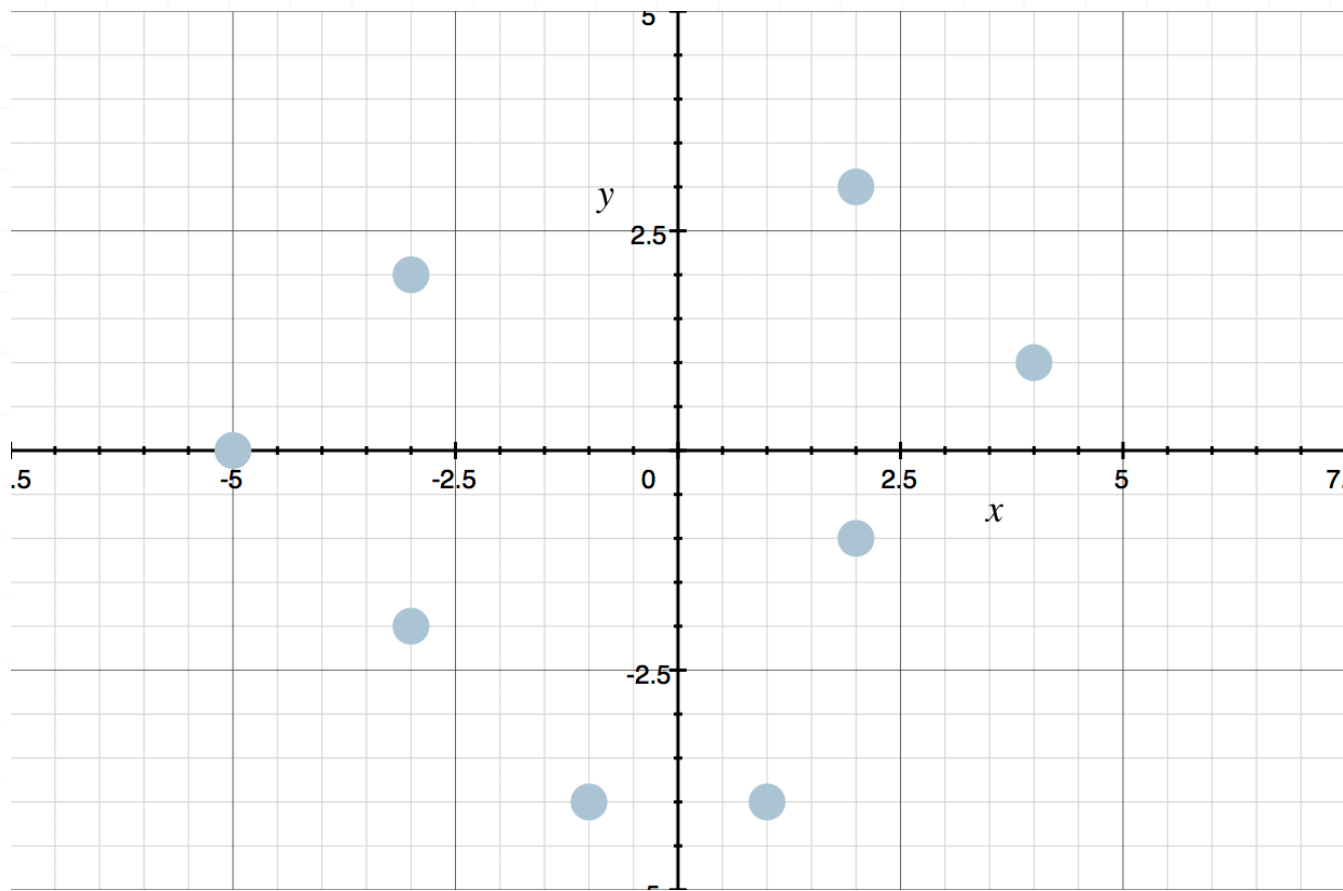
Solution: D

Quadrant II is the upper-left quadrant, where x is negative and y is positive. The only point among the answer choices where this is the case is answer choice D, $(-3,1)$.



Topic: Cartesian coordinate system

Question: Which group of points below contains a point not plotted in the graph above?

**Answer choices:**

- A $(2, -1), (-1, -4), (-3, -2), (2, 3)$
- B $(2, 3), (3, 2), (2, -1), (-5, 0)$
- C $(1, -4), (-3, -2), (4, 1), (-5, 0)$
- D $(4, 1), (2, 3), (1, -4), (2, -1)$



Solution: B

The point $(3,2)$ is listed in answer B, but is not plotted on the graph.

