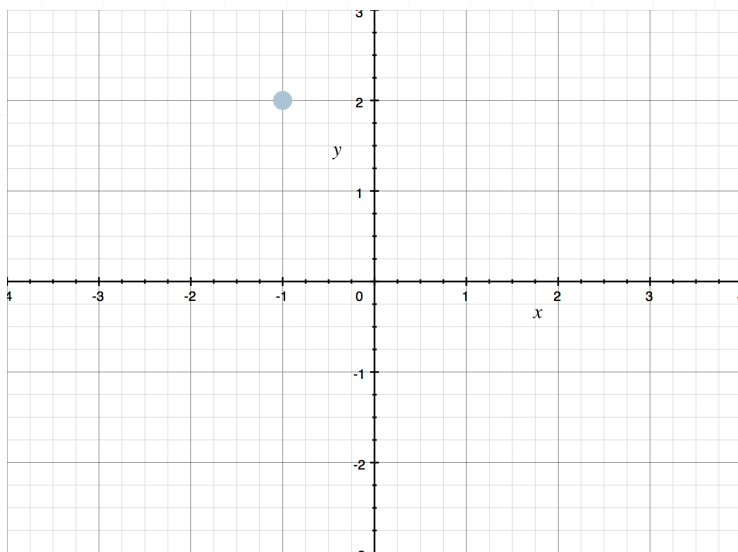
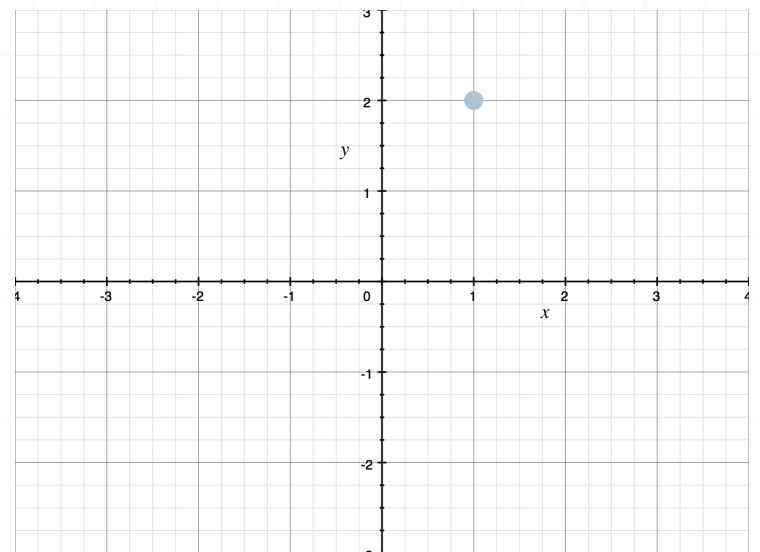
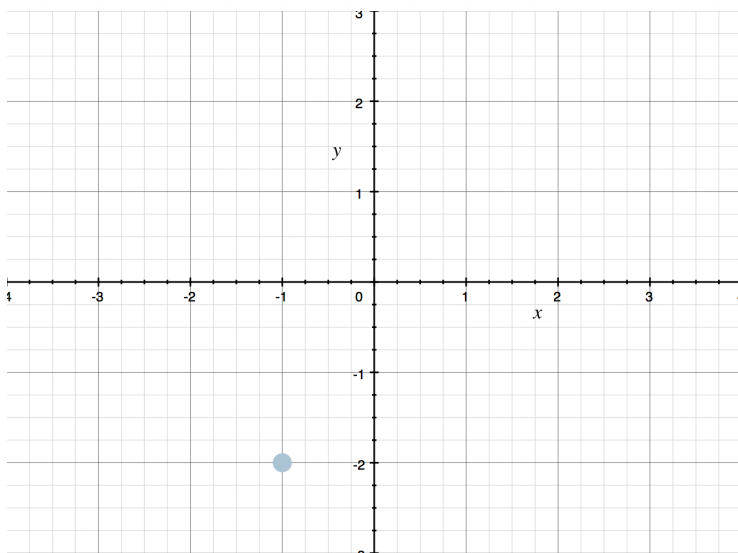
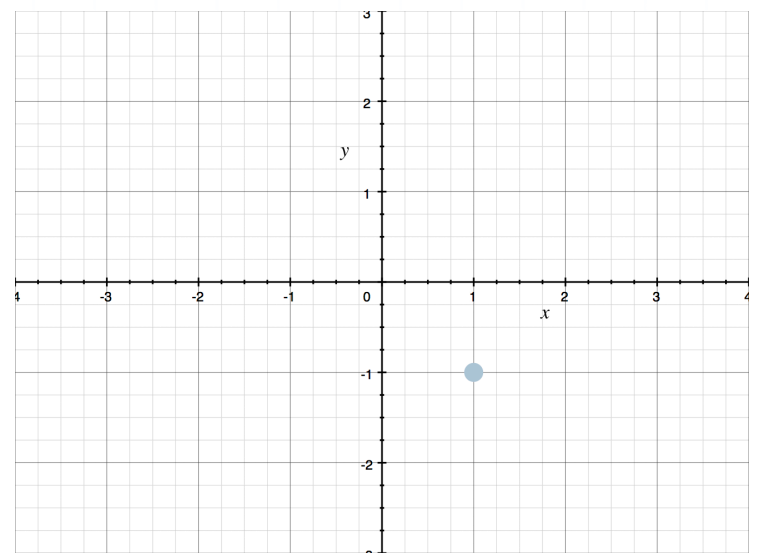


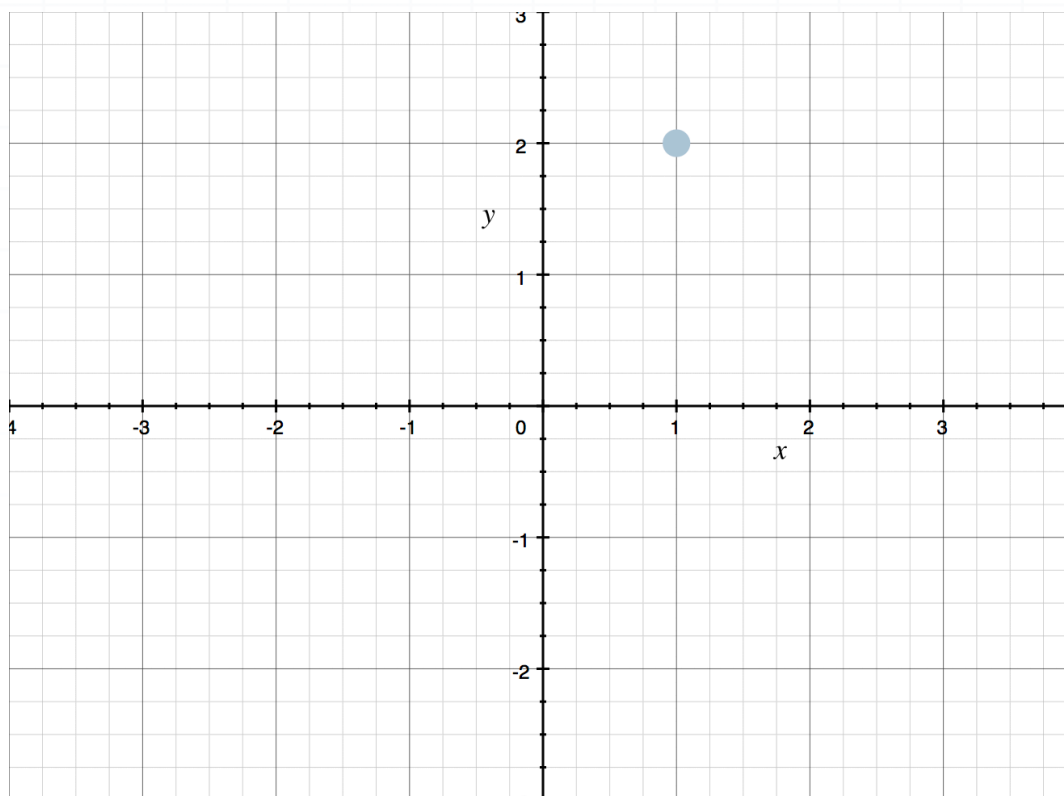
**Topic:** Cartesian coordinate system**Question:** Graph  $(1,2)$  in the Cartesian coordinate system.**Answer choices:****A****B****C****D**

**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.



**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      $(-3,1)$



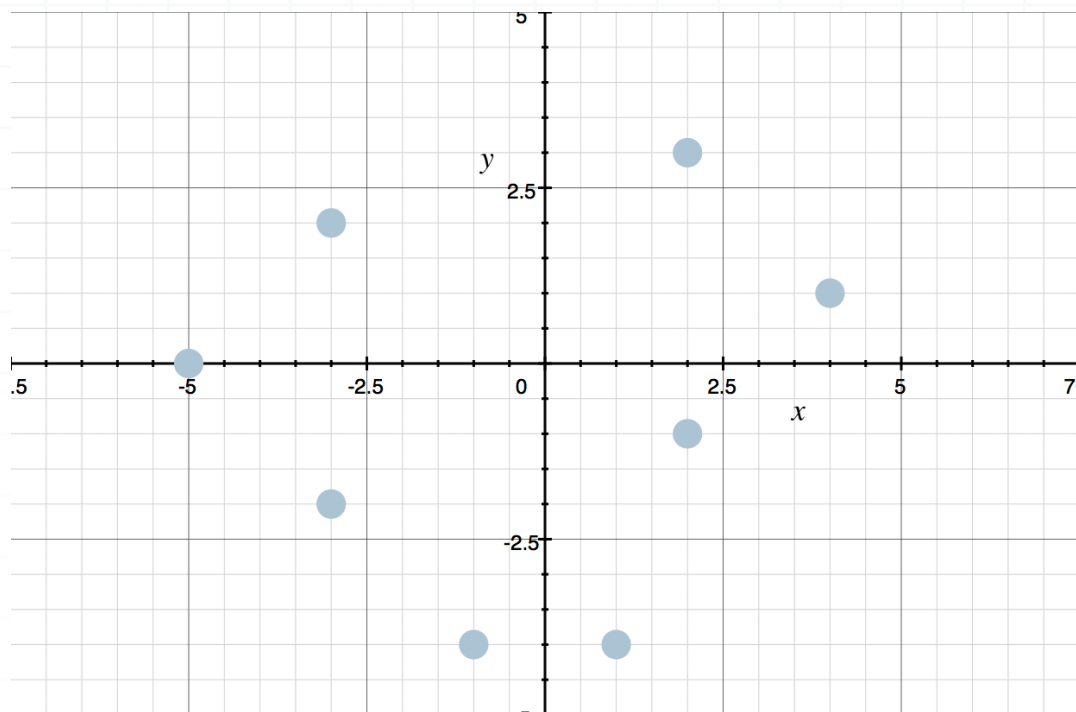
**Solution: D**

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 contains a point not plotted in the plane?

**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 in the plane.

