

Name _____

Date _____

Understand the Coordinate Plane: Play Answer Sheet

Selected-Response Items—Indicate the letter(s) only.

- | | | |
|----------|----------|----------|
| 1. _____ | 2. _____ | 3. _____ |
| 4. _____ | 5. _____ | 6. _____ |
| 7. _____ | 8. _____ | |

Fill-in-the-Blank and Graphing Items

9. (a) _____ (b) _____
 (c) _____ (d) _____

10. (a) _____

(b) _____

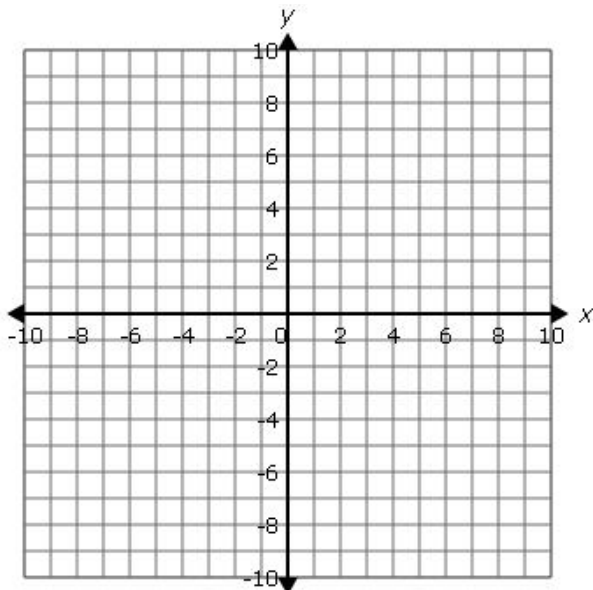
(c) _____

(d) _____

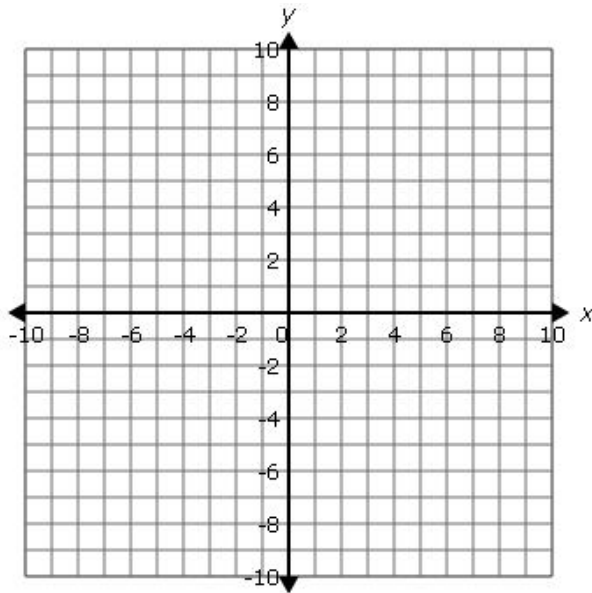
(e) _____

(f) _____

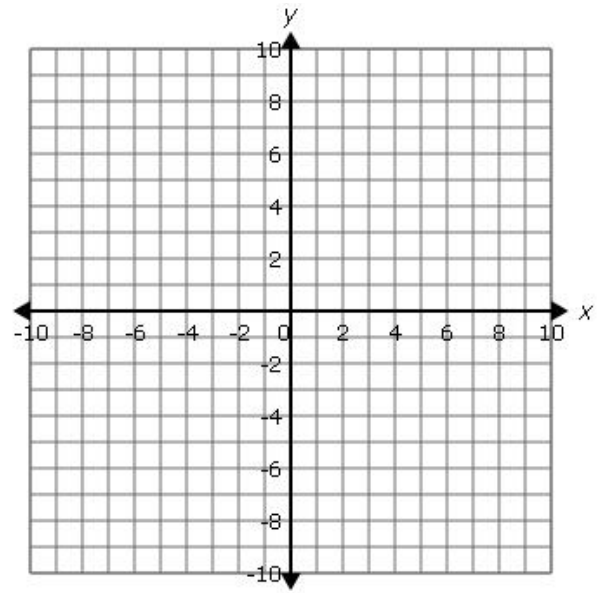
11.



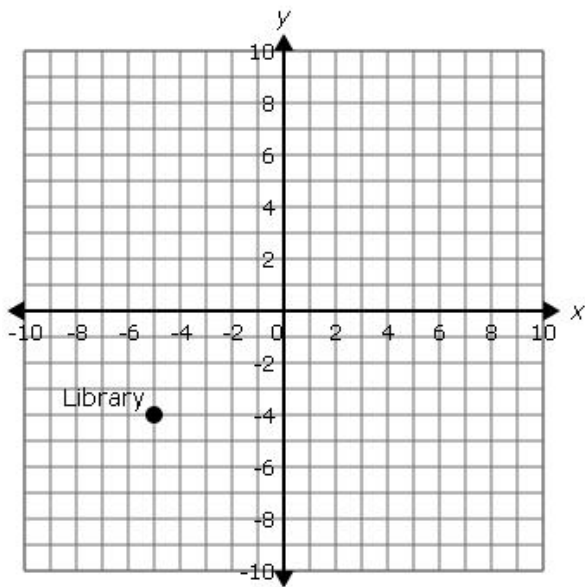
12.



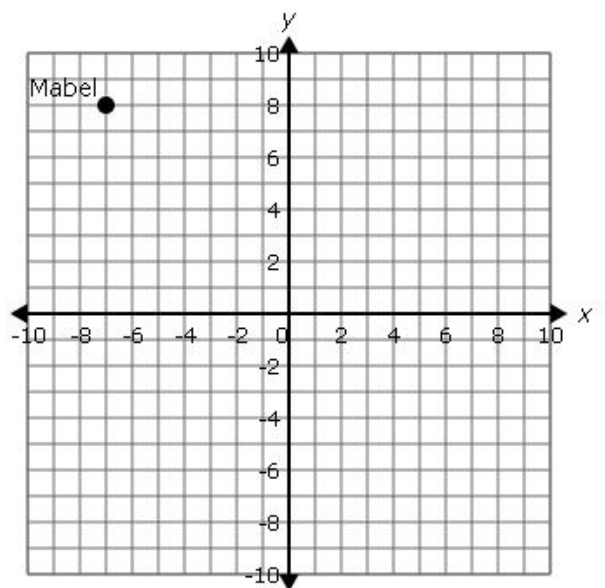
13.



14.



15.

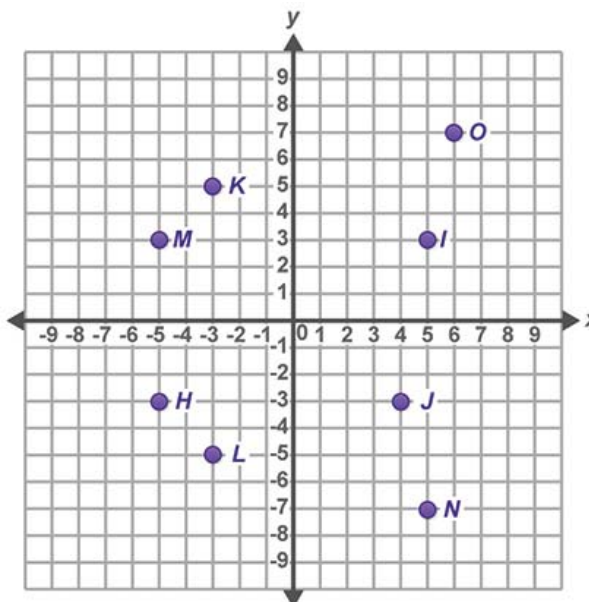


Understand the Coordinate Plane: Play

Number of Questions: 15

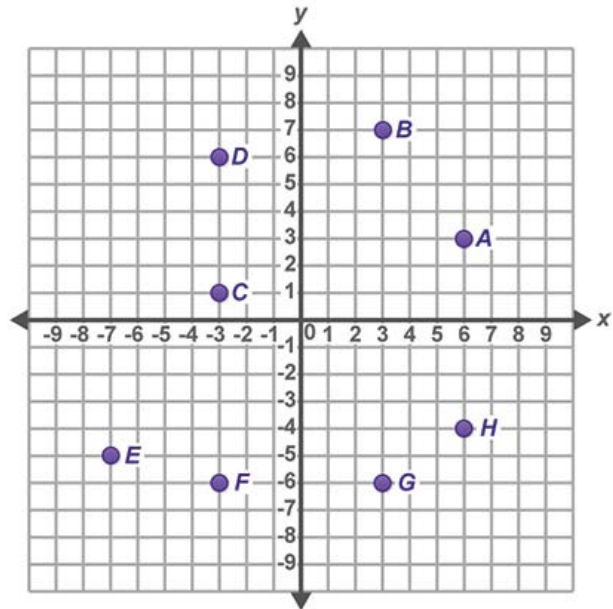
Questions 1–8 are selected-response questions. Write the letters of the correct answers on the answer sheet.

- Which of the following coordinates indicate a point located in quadrant II?
Select all that apply.
 - A. $(2,-8)$
 - B. $(-4,-6)$
 - C. $(-2,3)$
 - D. $(1,5)$
 - E. $(0,-4)$
 - F. $(-3,5)$
 - G. $(-1,1)$
- In which quadrant is the ordered pair $(7,-4)$ located?
 - A. quadrant I
 - B. quadrant II
 - C. quadrant III
 - D. quadrant IV
- Based on what you know about the coordinate plane, which of the following are true?
Select all that apply.
 - A. All points in quadrant III have x and y negative coordinates.
 - B. If you reflect a point in quadrant II over the y -axis, you will end up in quadrant III.
 - C. All points in quadrant IV have x and y negative coordinates.
 - D. If you reflect a point in quadrant II over the x -axis, you will end up in quadrant III.
- Which of the following points is located at $(-5,3)$?
 - A. point I
 - B. point K
 - C. point H
 - D. point M



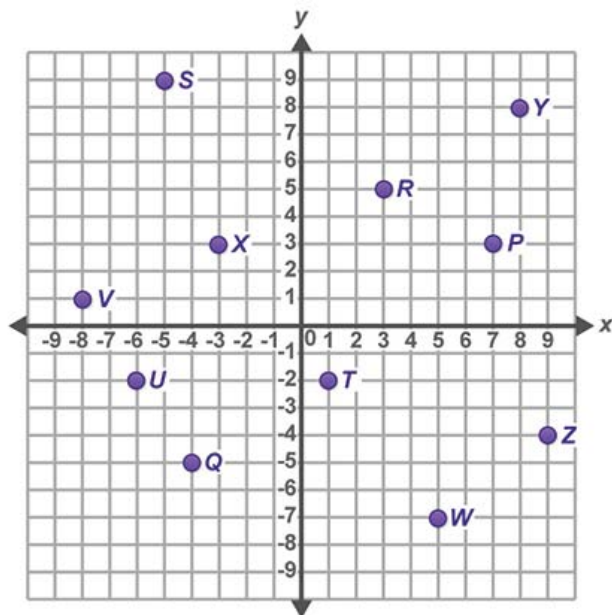
5. What are the coordinates of point D ?

- A. $(3,6)$
- B. $(-3,6)$
- C. $(6,3)$
- D. $(3,-6)$
- E. $(-3,-6)$
- F. $(6,-3)$



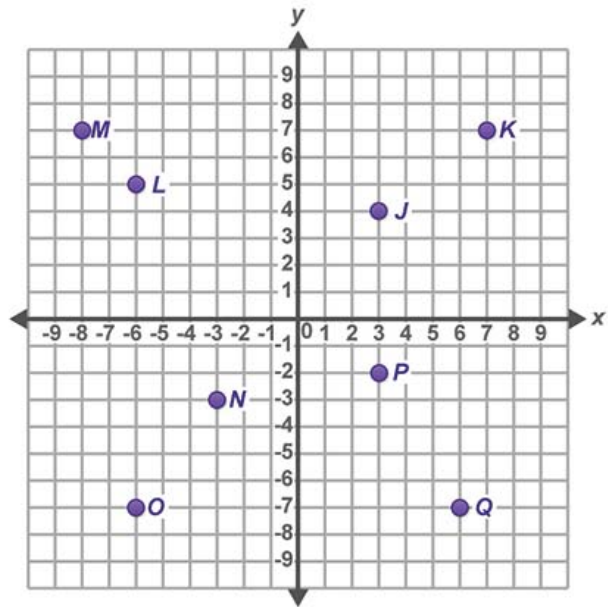
6. Which of the following names the set of points in quadrant IV?

- A. point S , point V , and point X
- B. point P , point R , and point Y
- C. point T , point W , and point Z
- D. point U and point Q



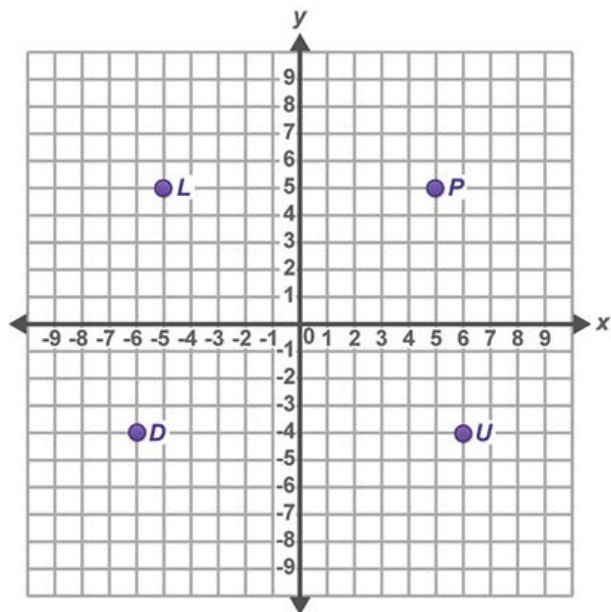
7. Which of the following ordered pairs are incorrect coordinates for its corresponding point?
Select all that apply.

- A. $J(3,4)$
- B. $K(7,8)$
- C. $L(-6,5)$
- D. $M(7,-8)$
- E. $N(-3,-3)$
- F. $O(-6,-7)$
- G. $P(3,-2)$
- H. $Q(6,-7)$



8. Which point has the coordinates (5,5)?

- A. point P
- B. point U
- C. point D
- D. point L



Questions 9–10 are fill-in-the-blank questions. Write the correct answers in the spaces on the answer sheet.

9. Determine if the coordinates of a point in the quadrant would be positive or negative. For each coordinate, write P for positive and N for negative.
Write letters for the first and second coordinates on the same line.

Quadrant I: (a) _____

Quadrant II: (b) _____

Quadrant III: (c) _____

Quadrant IV: (d) _____

10. Based on what you know about reflections and the coordinate plane, determine which quadrant each of the points would lie in. On the answer sheet, write the quadrant number as your answer: I, II, III, or IV.

reflection of (3,4) over x -axis: (a) _____

reflection of (-2,-3) over y -axis: (b) _____

reflection of (1,2) over y -axis: (c) _____

reflection of (-1,-1) over x -axis: (d) _____

reflection of (2,-3) over x -axis: (e) _____

reflection of (-3,2) over y -axis: (f) _____

Questions 11–15 are graphing questions. Graph the correct answers on the grids provided on the answer sheet.

11. On the grid on the answer sheet, graph each ordered pair on the coordinate plane.

(-7,-2) (0,3) (1,-6)

12. On the grid on the answer sheet, graph the ordered pair that is a point located in quadrant III.

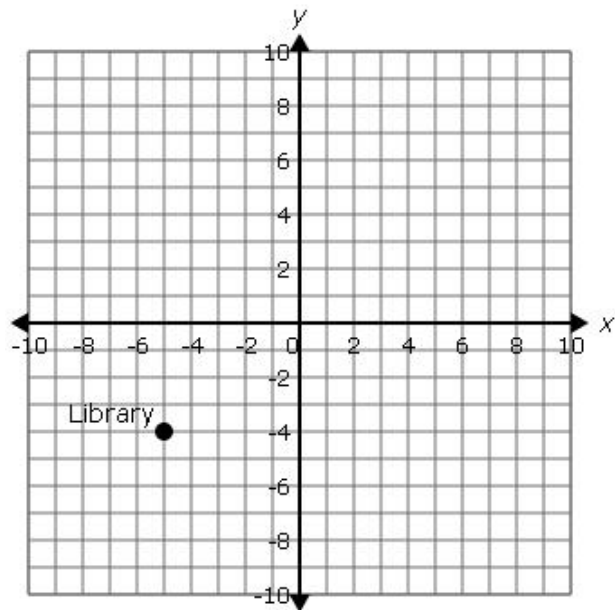
(-6,8) (-2,-8) (1,-3) (4,7)

13. On the grid on the answer sheet, graph the ordered pair with the point located in quadrant II.

(1,-4) (6,6) (-8,-5) (-4,3)

14. A map of the school campus is drawn on a coordinate plane. The location of the cafeteria is a reflection across the x -axis of the location of the library.

On the grid on the answer sheet, graph a point to show the location of the cafeteria.



15. Mabel is represented by a point on this map. Juan can be found by reflecting this point across the y -axis.

On the grid on the answer sheet, graph the point representing Juan.

