

Mystery Graph

Place your pencil on the point that represents the first ordered pair after the word **Start** in Row A and draw a line segment to the next ordered pair. Keep going to every other ordered pair without lifting your pencil until you come to the word **Stop**. Then lift your pencil and go to the next row and start again. Continue until you have completed each row.

Row A: Start (1, 7), (1, 8), (2, 9), (3, 9), (4, 8), (4, 7), (3, 6), (2, 6), (1, 7) Stop

Row B: Start (3, 9), (3, 10), (4, 11), (5, 11), (6, 10), (6, 9), (5, 8), (4, 8) Stop

Row C: Start (6, 9), (7, 9), (8, 8), (8, 7), (7, 6), (6, 6), (5, 7), (5, 8) Stop

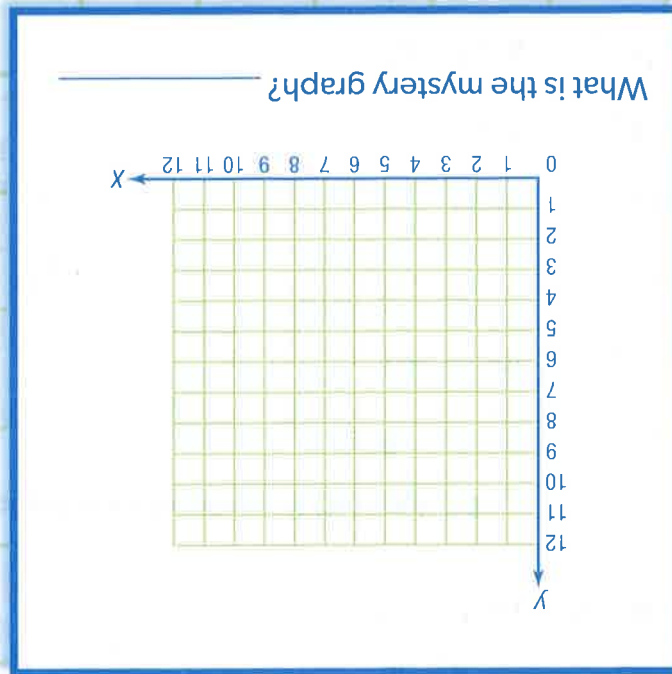
Row D: Start (4, 7), (5, 7) Stop

Row E: Start (6, 6), (6, 5), (5, 4), (4, 4), (3, 5), (3, 6) Stop

Row F: Start (4, 4), (4, 0), (5, 0), (5, 4) Stop

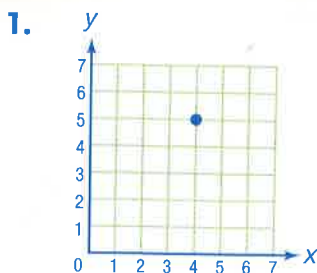
Row G: Start (4, 1), (1, 2), (2, 3), (4, 3) Stop

Row H: Start (5, 1), (8, 2), (7, 3), (5, 3) Stop

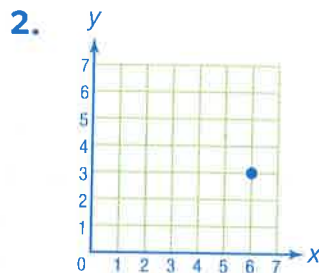


Practice

Fill in the missing coordinate.



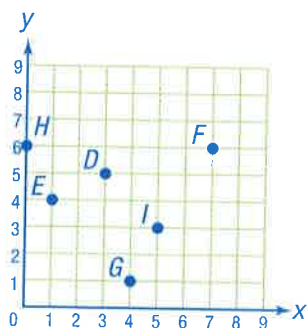
(4, _____)



(_____, 3)

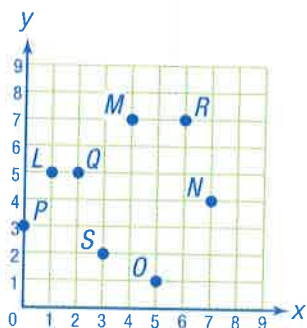
HINT Find the number to the left of the point on the y -axis.

Use the coordinate plane for questions 3 through 8.



3. Point D is located at (_____, _____).
4. Point E is located at (_____, _____).
5. Point F is located at (_____, _____).
6. Point G is located at (_____, _____).
7. Point H is located at (_____, _____).
8. Point I is located at (_____, _____).

Use the coordinate plane for questions 9 through 14.



9. Point _____ has coordinates (0, 3).
10. Point _____ has coordinates (6, 7).
11. Point _____ has coordinates (5, 1).
12. Point _____ has coordinates (7, 4).
13. Point _____ has coordinates (2, 5).
14. Point _____ has coordinates (3, 2).

25. EXPLAIN Explain the difference between locating a point at (4, 2) and locating a point at (2, 4).

26. JUSTIFY Kwame says that the ordered pair (5, 0) is on the y-axis. Do you agree? Justify your answer.

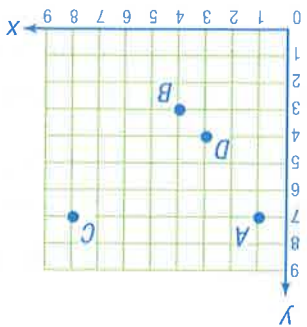
Solve.
23. Nicole plotted the points (3, 1), (3, 7), and (6, 1) on a coordinate plane. Which ordered pair should Nicole plot next to complete a rectangle?

24. Yoshi plotted the points (2, 5), (2, 8), and (5, 8) on a coordinate plane and then connected the points. What figure did Yoshi plot?

- 17. T(3, 6)
- 18. U(8, 2)
- 19. V(1, 4)
- 20. W(5, 6)
- 21. X(0, 5)
- 22. Y(2, 7)

Graph and label each ordered pair on the coordinate plane.

- 15.** Which point has the coordinates (3, 4)?
- A. point A
 - B. point B
 - C. point C
 - D. point D
- 16.** What are the coordinates of point C?
- A. (8, 1)
 - B. (8, 7)
 - C. (7, 8)
 - D. (1, 7)



Choose the best answer. Use the coordinate plane for questions 15 and 16.

