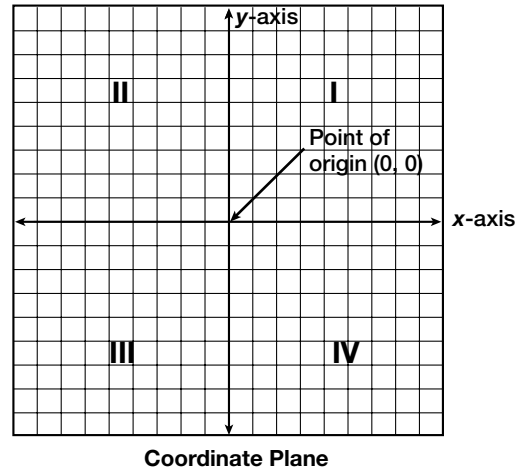


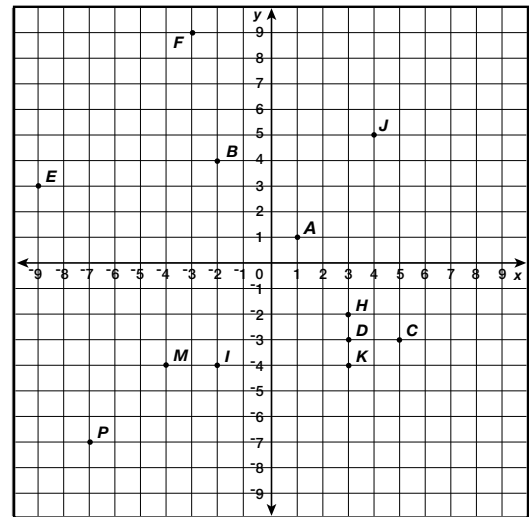
Integers and the Coordinate Plane

- A coordinate plane is formed by two perpendicular lines called axes that lie in the plane.
- The horizontal axis is called the *x*-axis, and the vertical axis is called the *y*-axis.
- The axes divide the grid into 4 quadrants, numbered I, II, III, and IV.
- Every point on a coordinate plane is named by an ordered pair, (*x*, *y*).
- The point named by the ordered pair (0, 0) is the origin.



Use the graph for Problems 1–12. Write the ordered pair for each point.

- | | |
|------------|------------|
| 1. I _____ | 2. A _____ |
| 3. C _____ | 4. B _____ |
| 5. P _____ | 6. H _____ |



Write the letter name for each point.

- | | |
|--------------------|--------------------|
| 7. (-9, +3) _____ | 8. (+4, +5) _____ |
| 9. (+3, -4) _____ | 10. (-4, -4) _____ |
| 11. (-3, +9) _____ | 12. (3, -3) _____ |

Problem Solving

13. If you plotted the points (-3, -3), (-3, +3), (+3, +3), and (+3, -3) and connected the points in that order, what shape would form?

Show Your Work