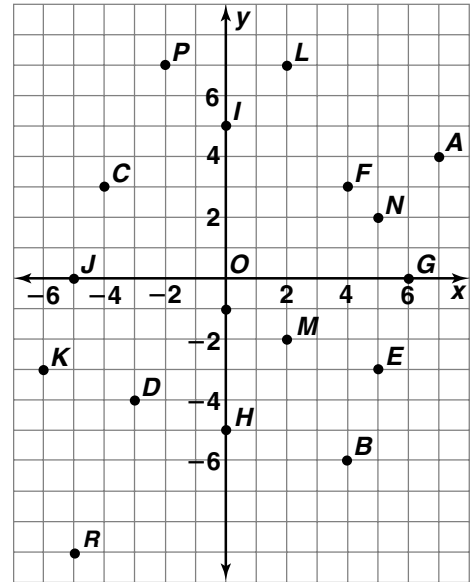


Practice 3-4

Graphing in the Coordinate Plane

Name the coordinates of each point in the graph.

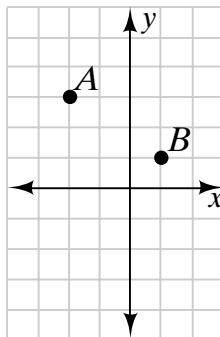
- | | |
|-------------|-------------|
| 1. <i>J</i> | 2. <i>R</i> |
| _____ | _____ |
| 3. <i>K</i> | 4. <i>M</i> |
| _____ | _____ |
| 5. <i>I</i> | 6. <i>P</i> |
| _____ | _____ |
| 7. <i>N</i> | 8. <i>L</i> |
| _____ | _____ |



In which quadrant or on which axis is each point located?

- | | | | |
|---------------|---------------|--------------|----------------|
| 9. $(-3, -2)$ | 10. $(7, 0)$ | 11. $(4, 0)$ | 12. $(-3, -9)$ |
| _____ | _____ | _____ | _____ |
| 13. $(4, -7)$ | 14. $(7, -5)$ | 15. $(2, 9)$ | 16. $(-3, 2)$ |
| _____ | _____ | _____ | _____ |

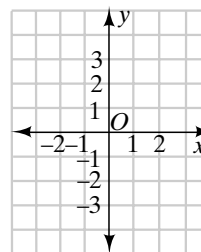
17. Arnie plotted points on the graph below. He placed his pencil point at *A*. He can move either right or down any whole number of units until he reaches point *B*. In how many ways can he do this?



18. Marika had to draw $\triangle ABC$ that fit several requirements.

- It must fit in the box shown.
- The endpoints of \overline{AB} have coordinates $A(-2, 0)$ and $B(2, 0)$.
- Point *C* must be on the *y*-axis and its *y*-coordinate is an integer.

Name all the points that could be point *C*.



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