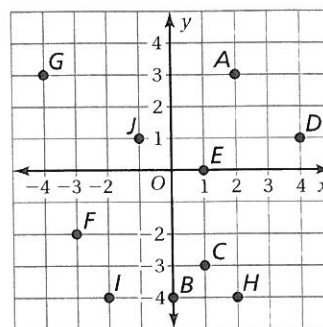


6.5 Practice A

Write an ordered pair corresponding to the point.

- | | |
|-------------------|--------------------|
| 1. Point <i>A</i> | 2. Point <i>B</i> |
| 3. Point <i>C</i> | 4. Point <i>D</i> |
| 5. Point <i>E</i> | 6. Point <i>F</i> |
| 7. Point <i>G</i> | 8. Point <i>H</i> |
| 9. Point <i>I</i> | 10. Point <i>J</i> |



Plot the ordered pair in a coordinate plane. Describe the location of the point.

- | | | | |
|----------------|-------------------------------------|----------------|--------------------|
| 11. $K(5, 2)$ | 12. $L(-3, 6)$ | 13. $M(-5, 0)$ | 14. $N(-4.5, 2.5)$ |
| 15. $P(7, -4)$ | 16. $Q\left(1\frac{1}{2}, 3\right)$ | 17. $R(-2, 4)$ | 18. $S(0, 3)$ |

19. Describe and correct the error in the solution.

\times To plot $(3, -4)$, start at $(0, 0)$ and move 3 units up and 4 units left.

Tell whether the statement is *sometimes*, *always*, or *never* true.

20. The y -coordinate of a point in Quadrant II is positive.
21. The x -coordinate of a point on the y -axis is zero.
22. The y -coordinate of a point on the y -axis is positive.
23. Your house is located at $(0, 0)$.
 - a. To get from your house to school, you walk 2 blocks east and 1 block south. What ordered pair corresponds to the location of your school?
 - b. To get from your house to the mall, you walk 4 blocks west and 3 blocks north. What ordered pair corresponds to the location of the mall?
 - c. Is your school or the mall closer to your home?
 - d. Describe how you would walk from your school to the mall.
 - e. Your friend lives 2 blocks from the mall. Is your friend's house in the same quadrant as the mall? Explain.

Coordinate Grid Paper

