

Drawing Graphs with Clues

Name:

Period:

Date:

Draw these graphs using the clues.

- Make sure each graph has the x axis and y axis labeled.
- Make sure each graph has the scale marked.
- Make sure all straight lines are drawn with a ruler or straight edge.

- a. The graph is a straight line.
 - b. It goes through the origin.
 - c. It goes through the point $(-3,5)$.
- a. The graph is a circle.
 - b. The origin is the center of the circle.
 - c. It passes through the point $(-10, 0)$.
- a. The graph is a straight line.
 - b. It is parallel to the x axis.
 - c. The y-coordinate is always -3 .
- a. The graph is a curved line.
 - b. The graph is only in the first quadrant.
 - c. It passes through: $(2, 12)$, $(8, 3)$, $(6, 4)$, $(12, 2)$.
- a. The graph is a straight line.
 - b. It slopes sharply up from the lower left to upper right.
 - c. It passes through $(-2, -6)$ and $(2, 6)$.
- a. The graph is a straight line.
 - b. The x-coordinate is always equal to the y-coordinate.
 - c. It passes through the origin.
- a. The graph is a straight line.
 - b. It slopes up from left to right at a 45° angle.
 - c. It passes through a point with coordinates $(0, -1)$.
- a. The graph is a straight line.
 - b. It is parallel to the y-axis.
 - c. The point $(4, 0)$ is one unit to the left of the graph.

Continued on other side

Drawing Graphs with Clues continued

9.
 - a. The graph is a straight line.
 - b. It does not go through the origin.
 - c. It does go through both $(0, 3)$ and $(5, 0)$.

10.
 - a. The graph is a straight line.
 - b. The y-coordinate is always 0.
 - c. It intersects the y-axis at the origin.

11.
 - a. The graph is a straight line.
 - b. The graph does not slope up or down.
 - c. It passes through $(0, -6)$.

12.
 - a. The graph is a straight line.
 - b. It slopes down from left to right.
 - c. The sum of the coordinates is 6.