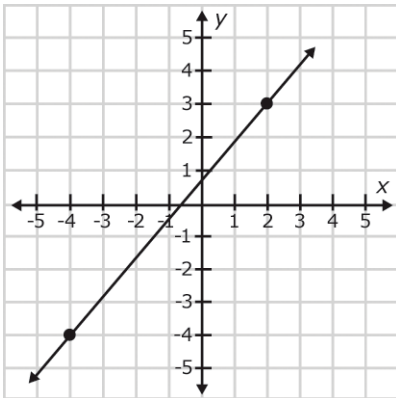


Algebraic expressions can be represented using grids. These grids are called coordinate grids. If more than one point is shown on a graph, a line can be drawn to connect the two points. As shown below, the line connects the points (2,3) and (-4, -4).

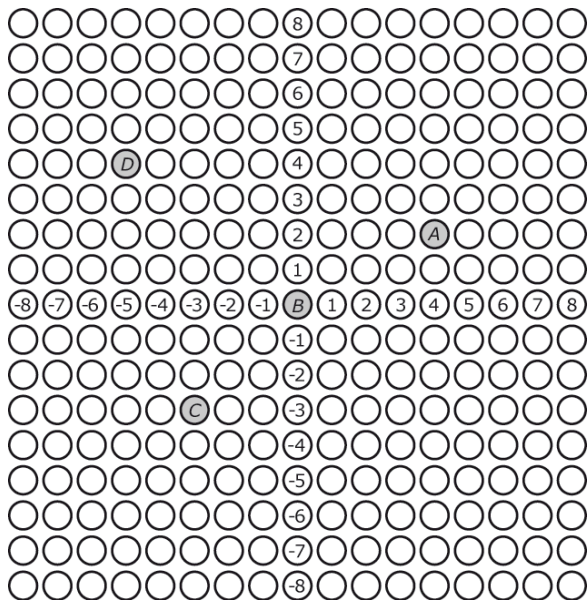


Steps for graphing equations:

- Identify a point on the line. Choose any value for x.
- Substitute this value into the equation for x.
- Solve for y.
- This gives you an ordered pair to plot.
- Repeat this process until you have another ordered pair that makes the equation true.

Solve the following problems. Select the best answer and type it on the line provided.

Use the following coordinate grid to answer questions 1-4.



1. What are the coordinates of point A? _____
 - a. (4, -2)
 - b. (4, 2)
 - c. (-4, 2)
 - d. (-4, -2)

2. What are the coordinates of point B? _____
 - a. (1, 1)
 - b. (0, 1)
 - c. (1, 0)
 - d. (0, 0)

3. What are the coordinates of point C? _____
 - a. (-3, 3)
 - b. (3, -3)
 - c. (-3, -3)
 - d. (3, 3)

4. What are the coordinates of point D? _____
 - a. (5, 4)
 - b. (-5, -4)
 - c. (5, -4)
 - d. (-5, 4)

5. Which of the following points lies on a line of the equation $x = 4(y-2)$? _____
 - a. (2, 0)
 - b. (2, 1)
 - c. (0, 2)
 - d. (0, -2)

6. What is the missing x value if (?, 1) is a solution of: $-4x + 7y = 15$? _____
 - a. $\frac{11}{2}$
 - b. $\frac{-11}{2}$
 - c. 2
 - d. -2

7. What is the missing y value if (7, ?) is a solution of: $3y + 2x + y = 30$? _____

- a. $\frac{3}{16}$
- b. 4
- c. -4
- d. $\frac{1}{4}$