

Math Foundations

Graphing- X and Y Axis

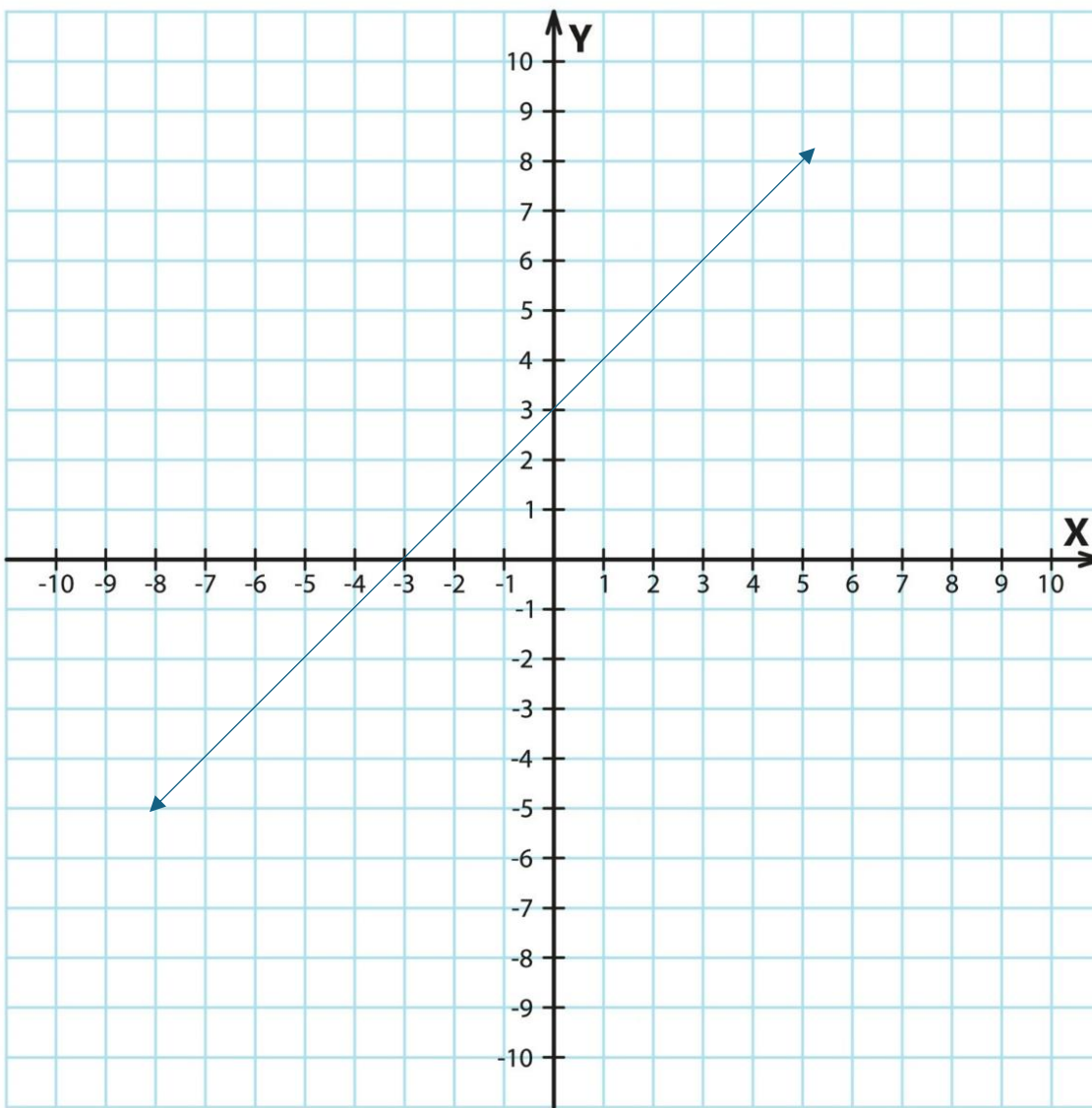
Part 1: Match the term to its definition.

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|--|------------------------------------|
| 1. A set of two numbers used to locate a point on the coordinate plane, written in parentheses, starting with its location on the x-axis, then on the y-axis | A. Y-intercept |
| 2. The point where the x-axis and y-axis intersect, having a coordinate pair of (0,0) | B. Y-axis |
| 3. The horizontal line on the coordinate plane | C. Coordinate Pair or Ordered Pair |
| 4. The vertical line on the coordinate plane | D. X-intercept |
| 5. Where the line crosses the y-axis, having the x-coordinate equal to 0 | E. Origin |
| 6. Where the line crosses the x-axis, having the y-coordinate equal to 0 | F. X-axis |

Part 2: Label the Graph

Label the following on the coordinate plane below:

- A. X-axis
- B. Y-axis
- C. Origin



Part 3: Intercepts

Using the line drawn in **Part 2**,

- A. What is the y-intercept of the line? _____
- B. What is the x-intercept of the line? _____

Part 4: Plot the Campus

In the grid below, plot the following locations on campus using the approximated coordinate pairs.

#	Location	Coordinate (x , y)
A	Bell Tower	(0,0)
B	SERC or Engineering Building	(1,-1)
C	Beury Hall	(1,0)
D	Charles Library	(1,1)
E	Tuttleman Learning Center	(-1,1)

