Finding Slope From a Graph

The slope of a line is a number that helps you understand how steep the line is. You can find the slope of a line by dividing the change in *y*, or rise, by the change in *x*, or run:

$$\text{Slope} = \frac{\text{change in } y}{\text{change in } x} = \frac{\text{rise}}{\text{run}}$$

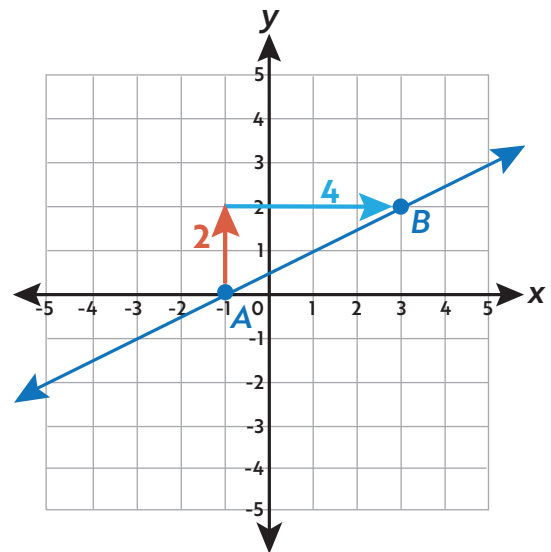**Let's try it! Find the slope of the line on the graph below.**

Pick two points on the line that are easy to identify.

A is at (–1, 0). *B* is at (3, 2).

To move from point *A* to point *B*, first go up 2 units. The rise is **2**. Then go to the right 4 units. The run is **4**.
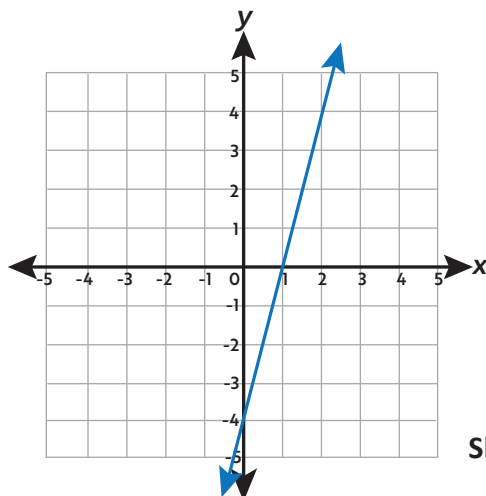
Write the slope. Make sure to simplify your answer.

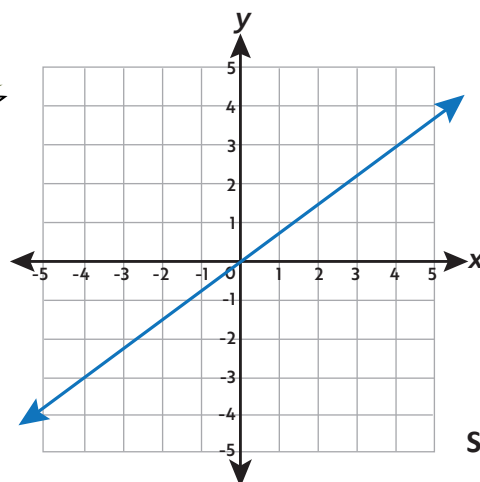$$\text{Slope} = \frac{\text{rise}}{\text{run}} = \frac{2}{4} = \frac{1}{2}$$

Note that sometimes slopes will be negative! This will happen if your rise is negative (you move down instead of up) **or** *your run is negative (you move left instead of right).*

Find the slope of each line below. Simplify your answer and write it as a proper fraction, improper fraction, or integer.
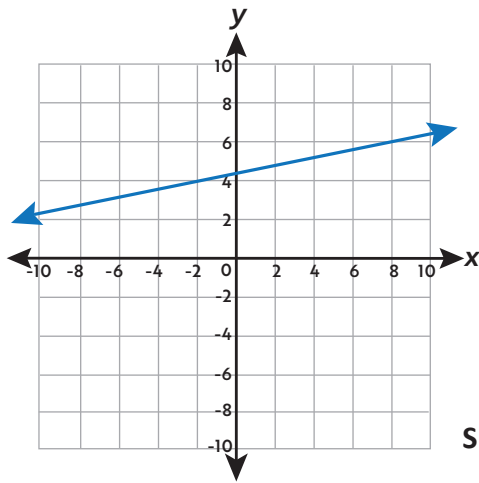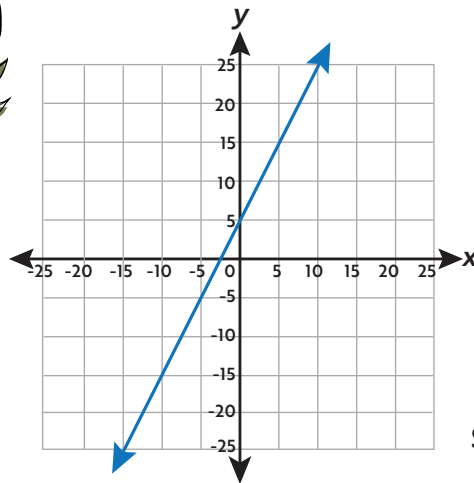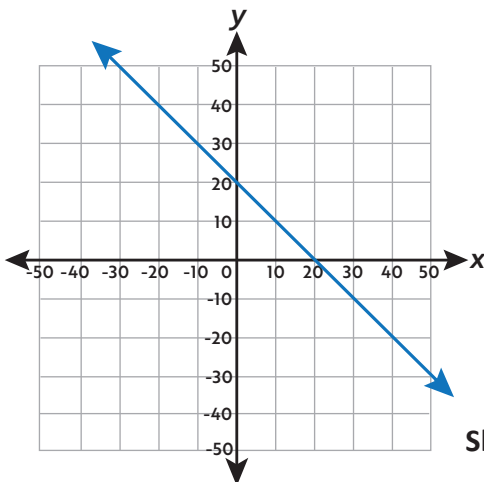
Slope = _____

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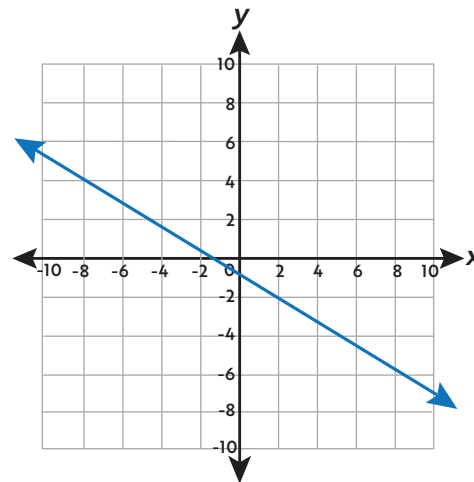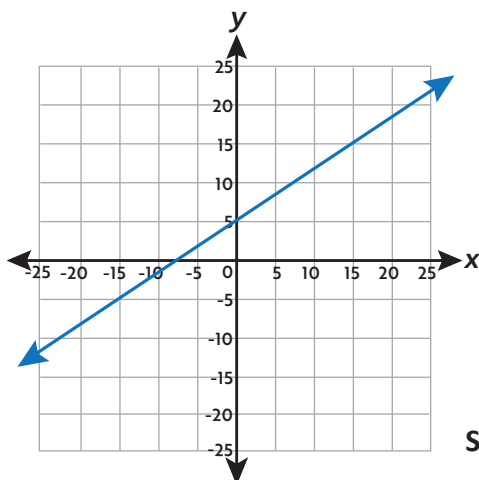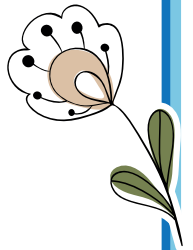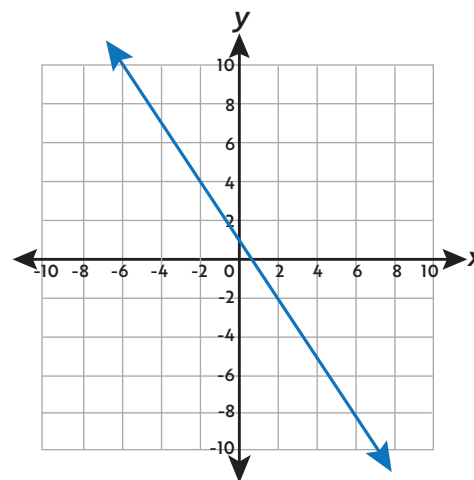
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