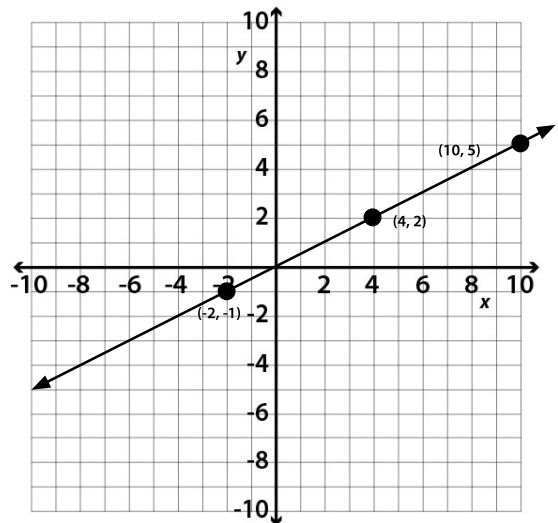


## 8.EE.B.6 ADDITIONAL PRACTICE

Use the graph to the right to answer questions 1-2.

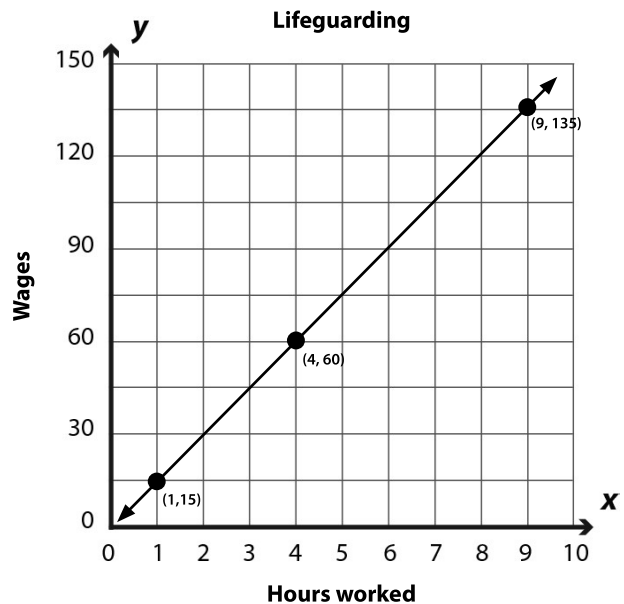
- 1) What is the slope of the line? Draw a right triangle on the graph between the two points you selected to illustrate how you determined the slope.



- 2) Max used the origin and the point  $(4, 2)$  to determine the slope as  $\frac{2}{4}$ . Angela predicted that the slope would be greater if she used the origin and the point  $(10, 5)$ . Is Angela correct? Explain why or why not.

Use the graph to the right to answer questions 3-4.

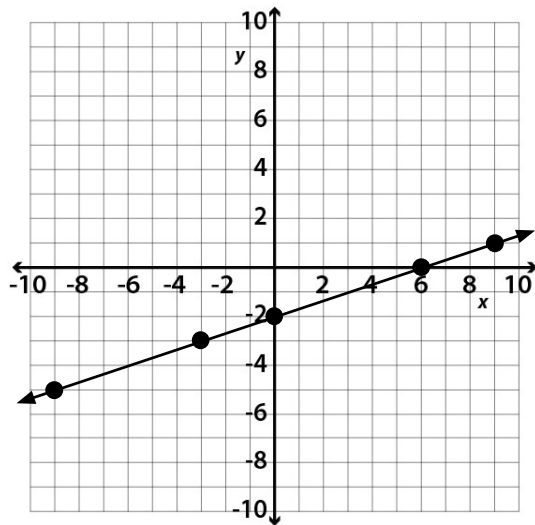
- 3) What is the slope of the line? Using two different pairs of points, draw similar triangles to prove that the slope is the same, regardless of the points chosen.



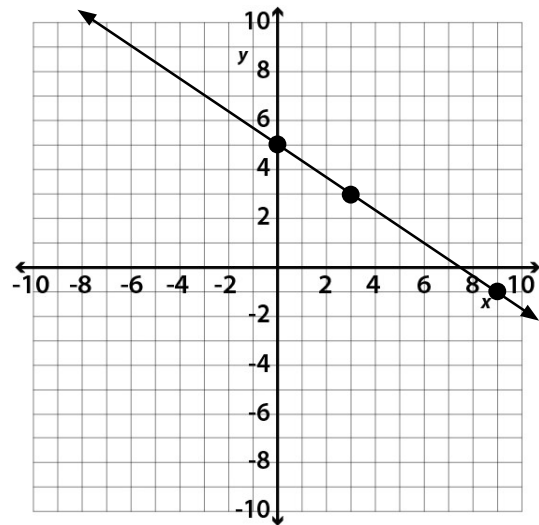
- 4) What is the equation of the line represented in the graph?

## 8.EE.B.6 ADDITIONAL PRACTICE (cont'd)

5) What is the equation of the line below?



6) What is the equation of the line below?



7) The equation  $y = -x$  represents a line on a graph. What is the slope of the line? What is the y-intercept of the line?

8) A line on a graph has a slope of  $\frac{1}{4}$  and a y-intercept of  $-3$ . Write the equation of the line in slope-intercept form.

9) What is the equation of a line that has a slope of  $-2$  and passes through the point  $(1, 5)$ ?

10) What is the equation of a line that passes through the points  $(-3, 7)$  and  $(9, -1)$ ?