English Spanish

B.4–B.5 Quiz

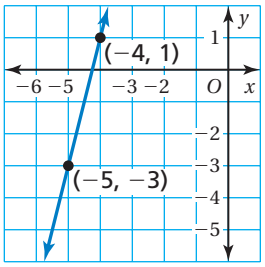
Check It Out
Progress Check
BigIdeasMath.com

Graph the line with the given slope that passes through the given point. *(Section B.4)*

1. slope $= -3$; $(2, 4)$

2. slope $= \frac{2}{3}$; $(-1, 0)$

3. Find the slope of the line. *(Section B.4)*



Find the slope and y-intercept of the graph of the linear function. *(Section B.5)*

4. $y = 2x + 9$

5. $y = -5x + 4$

6. $y = \frac{3}{5}x - 6$

7. $3x - y = 8$

8. $2x + 8y = -16$

9. $4x - 3y = 15$

Graph the linear function using slope-intercept form. *(Section B.5)*

10. $y = -x + 2$

11. $y = \frac{3}{2}x - 4$

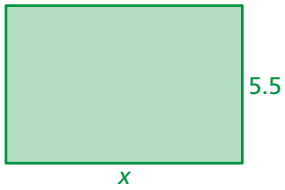
12. $-x + 3y = 3$

13. PERIMETER The perimeter of the rectangle can be modeled by the linear function $y = 2x + 11$. *(Section B.5)*

a. Find the slope and y-intercept of the graph of the linear function.

b. Graph the linear function.

c. Is it possible for the rectangle to have a perimeter of 9 units? Explain.



14. RAMP What is the slope of the skateboard ramp? What is the slope of the skateboard ramp if the length is doubled? *(Section B.4)*