

Chapter 5 Review Answers

1. $m = \frac{-2}{3}$

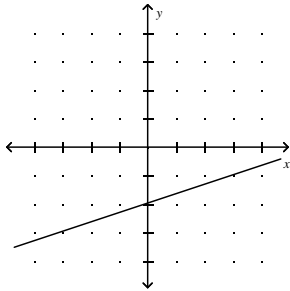
2. $m = \frac{5}{2}$

3. $m = \frac{5}{6}$

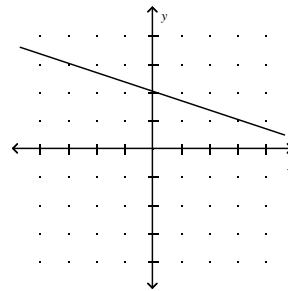
4. $m = 9, b = (0, 2)$

5. $y = 5x + 3$

6.



7.



8. $y = \frac{-1}{2}x + 3$

9. $y = \frac{1}{2}x + 1$

10. $y = -4x + 11$

11. $y = \frac{2}{5}x + 7$

12. $y + 3 = \frac{1}{6}(x - 5)$

13. $y + 1 = -2(x - 3)$

14. $y + 6 = 4(x - 2)$

or

$y + 2 = 4(x - 3)$

15. $y - 5 = \frac{3}{2}(x - 6)$

or

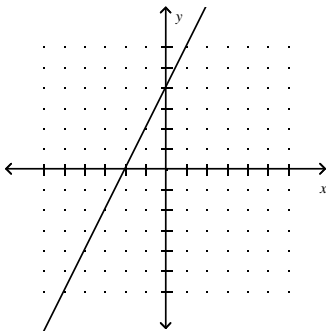
$y + 1 = \frac{3}{2}(x - 2)$

16. $m = -3$, pt = $(-2, 5)$

17. $y = \frac{4}{7}x - \frac{41}{7}$

18. x-int: $(5, 0)$ y-int: $(0, -4)$

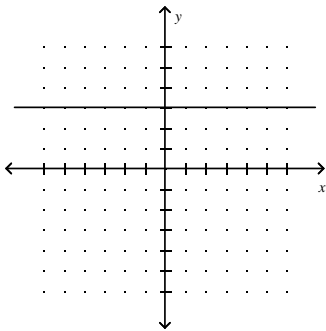
19.



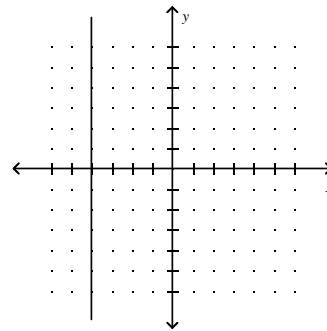
20. horizontal

21. vertical

22.



23.



$$24. 3x - 5y = 5$$

$$25. 5x + 3y = -43$$

$$26. b = \frac{4R}{a}$$

$$27. c = m n + d$$

$$28. n = \frac{y}{a+b}$$

$$29. n = \sqrt{\frac{A}{5\pi}}$$

$$30. a. y - 6500 = 80 (x - 0)$$

$$b. y = 80x + 6500$$

or

$$y - 8900 = 80 (x - 30)$$