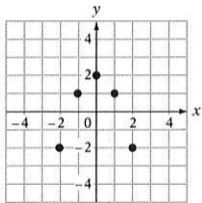


CHAPTER TEST

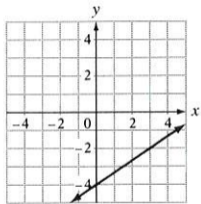
1.



[3.1A]

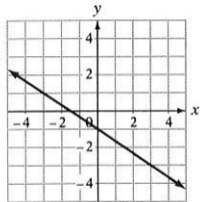
2. $(-3, 0)$ [3.1A]

3.



[3.3A]

4.



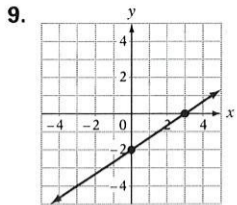
[3.3B]

5. $x = -2$ [3.5A]

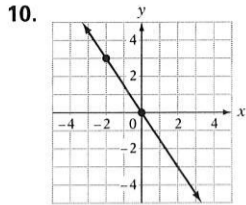
6. Midpoint: $\left(-\frac{1}{2}, 5\right)$; length: 10.82 [3.1B]

7. $-\frac{1}{6}$ [3.4A]

8. $P(2) = 9$ [3.2A]



[3.3C]



[3.4B]

11. $y = \frac{2}{5}x + 4$ [3.5A]

12. 0 [3.2A]

13. $y = -\frac{7}{5}x + \frac{1}{5}$ [3.5B]

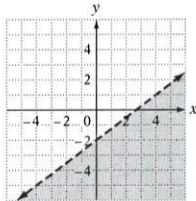
14. $y = -3$ [3.5A]

15. Domain: $\{-4, -2, 0, 3\}$; range: $\{0, 2, 5\}$ [3.2A]

16. $y = -\frac{3}{2}x + \frac{7}{2}$ [3.6A]

17. $y = 2x + 1$ [3.6A]

18.



[3.7A]

19. The slope is $-\frac{10,000}{3}$.

The value of the house decreases by $\$ \frac{10,000}{3}$ each year. [3.4A]

20. $y = -\frac{3}{10}x + 175$. The model predicts that 85

students will enroll when the tuition is \$300. [3.5C]