

Chapter 3 Review

1. Is $(-2, 3)$ a solution of $3x + 4y = 6$?
2. In which quadrant is the point $(-3, 7)$ located?
3. In which quadrant is the point $\left(-\frac{1}{2}, -\frac{3}{4}\right)$ located?
4. In which quadrant is the point $(2.4, 3.7)$ located?
5. In which quadrant is the point $(5, -10)$ located?

Problems 6 - 12: Graph the equation or inequality.

6. $y = 2x - 1$

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

8. $2x + 8 = 0$

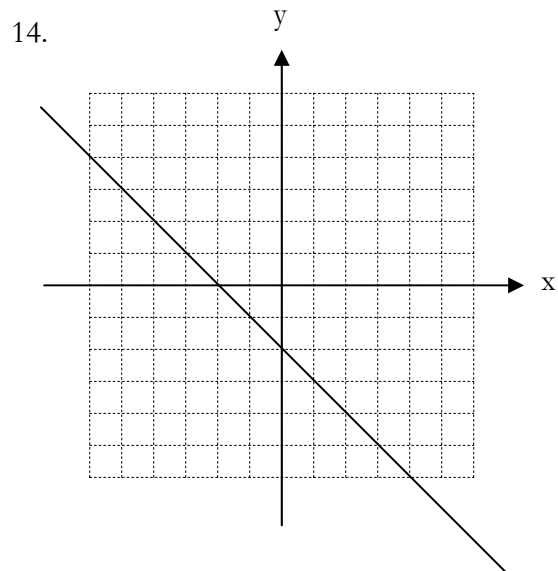
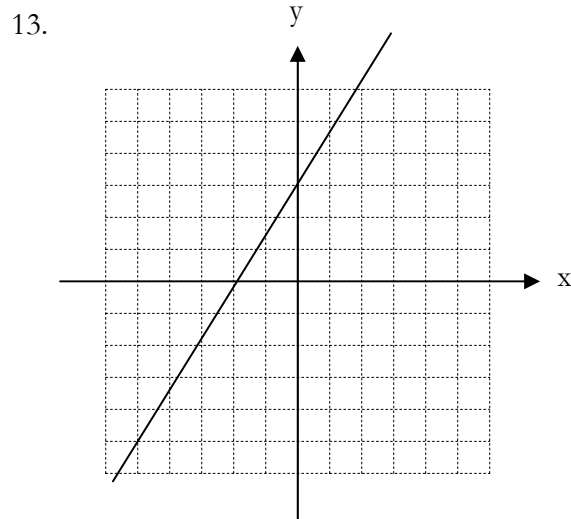
9. $y = 5$

10. $2x - 4y = -8$

11. $2x - y > 3$

12. $y \leq \frac{1}{3}x + 2$

Problems 13 – 14: Find the slope of the line from the given graph.



Problems 15 – 16: Find the slope of the line containing the given points.

15. $(1, 4)$ and $(3, -2)$

16. $(-4, -5)$ and $(1, -2)$

Problems 17 – 18: Find the slope and y-intercept.

17. $y = -3x + 4$

18. $5x - 10y = 12$

Answers

1. Yes, $3(-2) + 4(3) = -6 + 12 = 6$ T

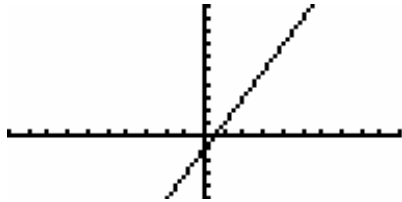
2. II

3. III

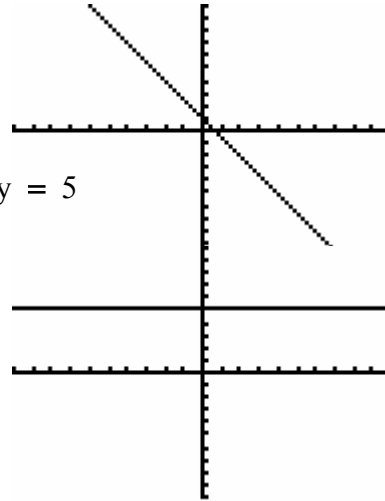
4. I

5. IV

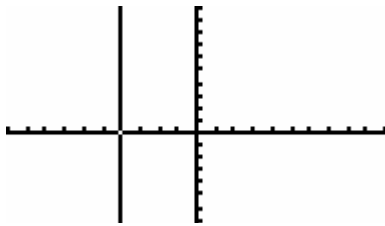
6. $y = 2x - 1$



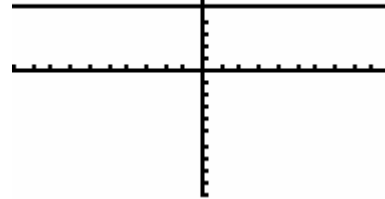
7. $y = -\frac{3}{2}x + 1$



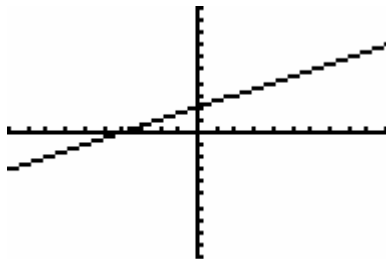
8. $2x + 8 = 0$



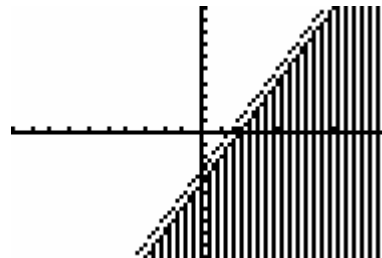
9. $y = 5$



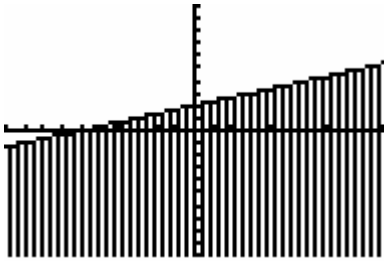
10. $2x - 4y = -8$



11. $2x - y > 3$



12. $y \leq \frac{1}{3}x + 2$



13. $\frac{3}{2}$

14. -1

15. -3

16. $\frac{5}{3}$

17. slope is -3
y-intercept is $(0,4)$

18. slope is $\frac{1}{2}$
y-intercept is $\left(0, -\frac{6}{5}\right)$