

Find the slope of the line that passes through each pair of points (use the slope formula).

1. (2, 1), (0, 0)

2. (8, -4), (-6, -3)

3. (-5, 0), (-5, 5)

4. (2, 9), (6, 9)

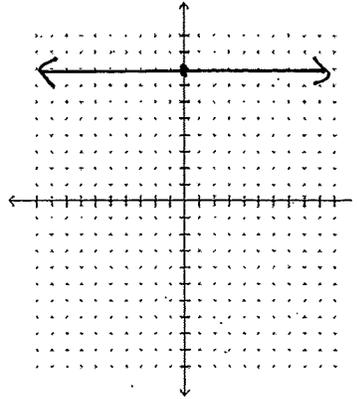
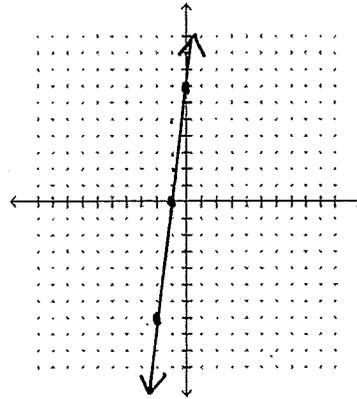
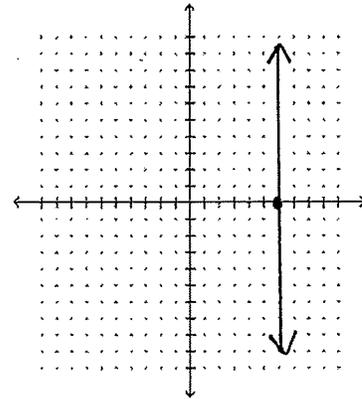
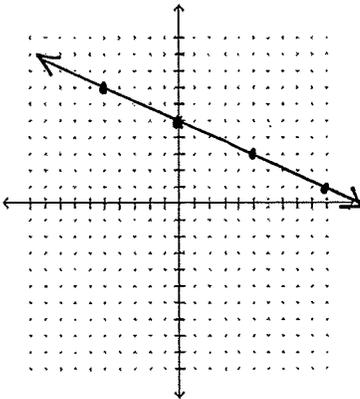
Find the slope of each line (count rise over run).

5. $m =$ _____

6. $m =$ _____

7. $m =$ _____

8. $m =$ _____



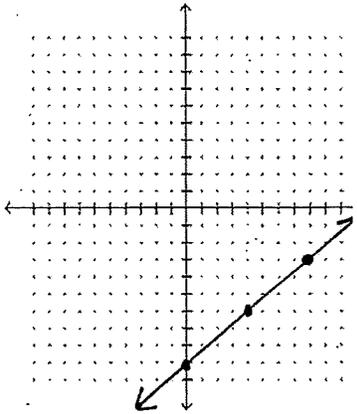
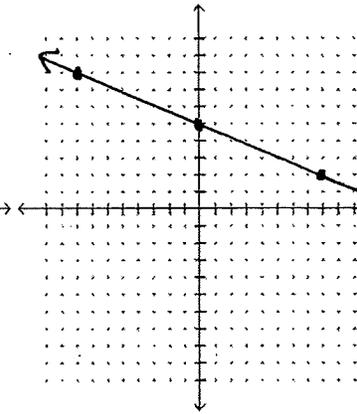
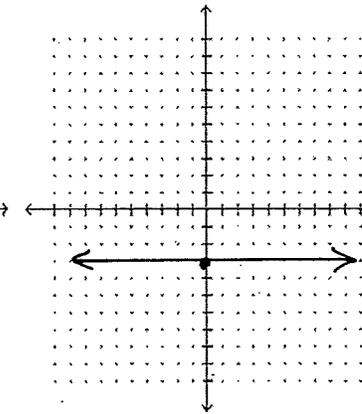
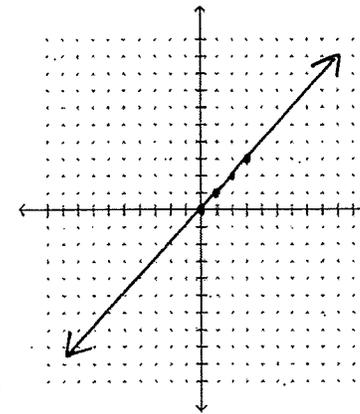
Write an equation in slope-intercept form of each line.

9. _____

10. _____

11. _____

12. _____



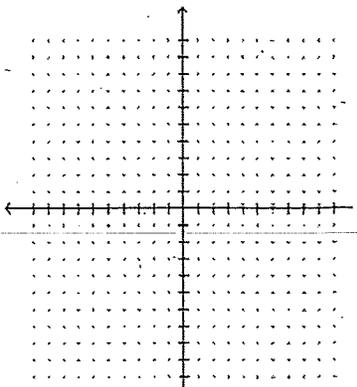
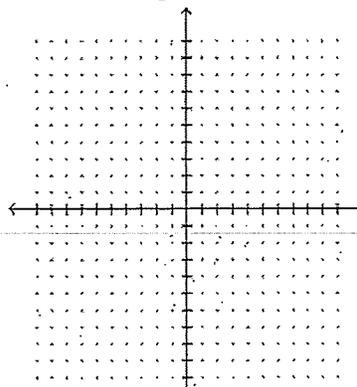
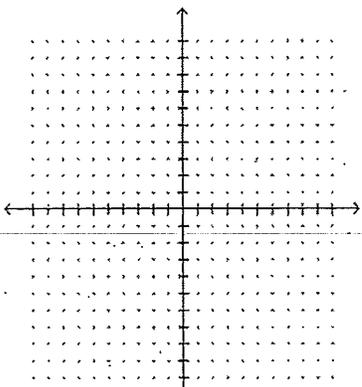
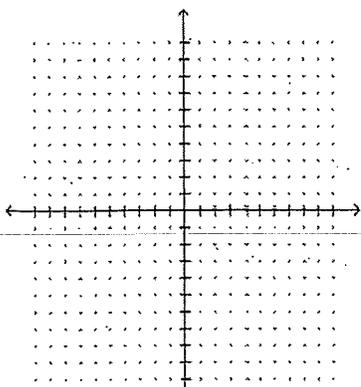
Graph each equation.

13. $y = x$

14. $y = -3x - 8$

15. $y = \frac{4}{3}x + 1$

16. $x = 1$



Write an equation in point-slope form of the line that passes through the given point and with the given slope m .

17. $(-6, -4); m = 2$

18. $(7, 1); m = -\frac{7}{4}$

Find the slope given two points. Using ONE point and the slope, write an equation in point-slope form. Rewrite the equation in slope intercept form. Then write the equation in standard form (remember, no fractions/decimals, and the lead coefficient should be positive).

19. $(-4, 3), (-1, -3)$

20. $(-4, 9), (6, 4)$

Find the x and y intercepts of the graph of each equation.

21. $x + y = 9$

22. $7x - y = 21$

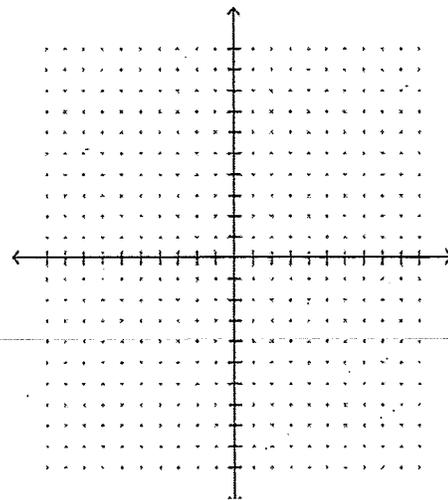
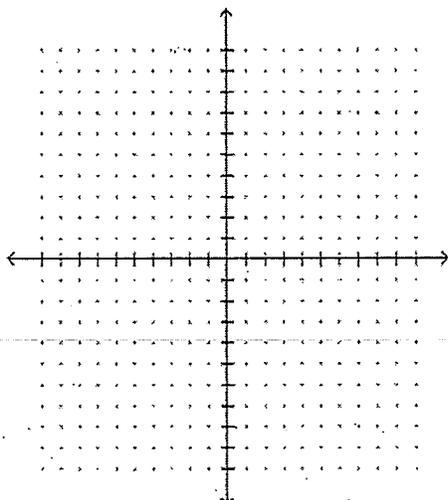
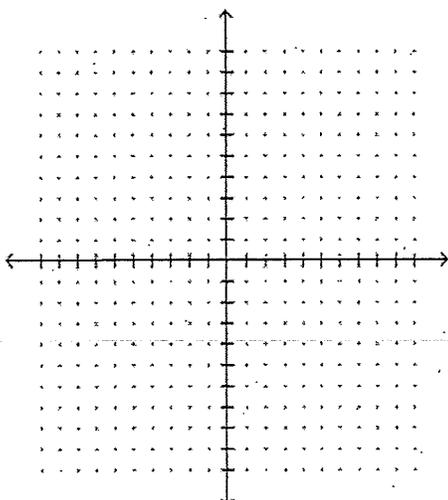
23. $3x - 5y = -20$

Graph each equation using x and y intercepts. (Hint: you have to find the x & y intercepts first)

24. $x + y = 4$

25. $-2x + 4y = 8$

26. $6x - 9y = 18$

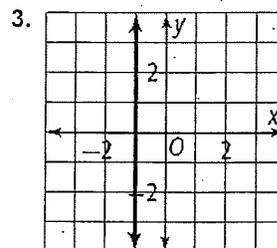
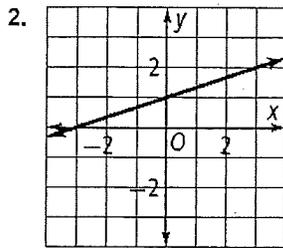
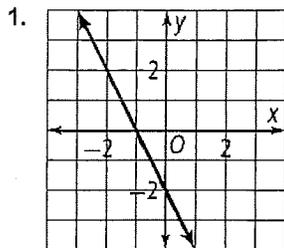


Extra Practice

Chapter 5

Lesson 5-1

Find the slope of each line.



4. Find the slope of the line that includes the points $(1, 4)$ and $(-3, -2)$.

Lesson 5-3

Find the slope and y-intercept.

5. $y = 6x + 8$

6. $3x + 4y = -24$

7. $2y = 8$

8. $y = \frac{-3}{4}x - 8$

9. $2y = 3x - 1$

10. $4x - 5y = 2$

A line passes through the given points. Write an equation for the line in slope-intercept form.

11. $(-2, 4)$ and $(3, 9)$

12. $(1, 6)$ and $(9, -4)$

13. $(0, -7)$ and $(-1, 0)$

14. $(7, 0)$ and $(3, -4)$

15. $(0, 0)$ and $(-7, 1)$

16. $(10, 0)$ and $(0, 7)$

Graph each equation.

17. $y = 2x - 3$

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

Lessons 5-4 and 5-5

Write an equation in point-slope form for the line through the given point with the given slope.

19. $(4, 6)$; $m = -5$

20. $(3, -1)$; $m = 1$

21. $(8, 5)$; $m = \frac{1}{2}$

Find the x - and y -intercepts for each equation.

22. $y = -7x$

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

24. $-2y = 5x - 12$