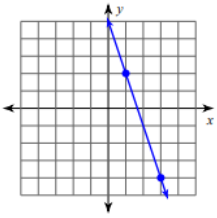
Chapter 5 Review

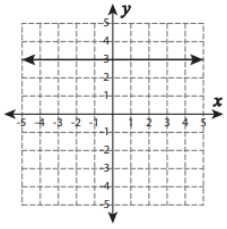
Name: _____

Find the slope of each line.

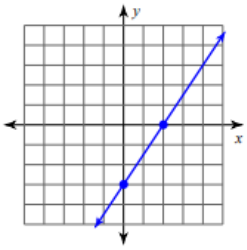
1. _____



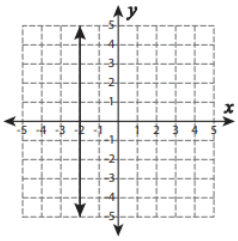
2. _____



3. _____



4. _____



Find the slope of the line that passes through each pair of points.

5. $(-1, 2)$ & $(0, 5)$

6. $\left(\frac{1}{4}, 6\right)$ & $\left(\frac{3}{4}, 2\right)$

Identify the slope & y-intercept of the graph of each equation.

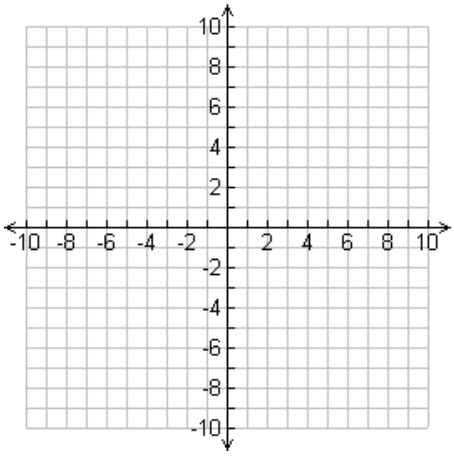
7. $y = -\frac{2}{3}x + 7$

8. $y = 4x - 8$

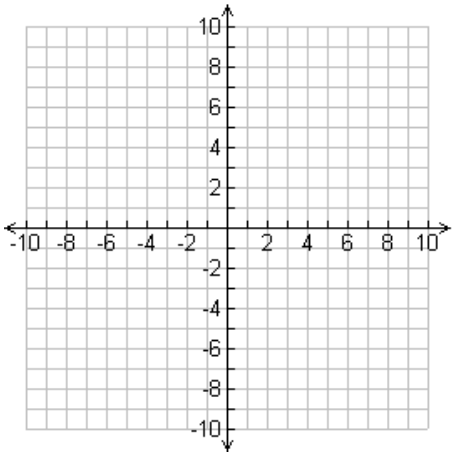
9. $3x + 6y = 12$

Graph each equation.

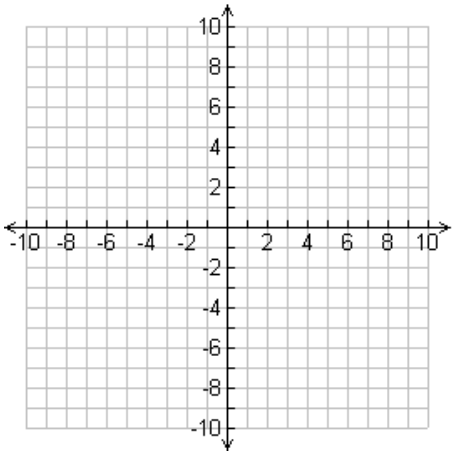
10. $x + 4y = 10$



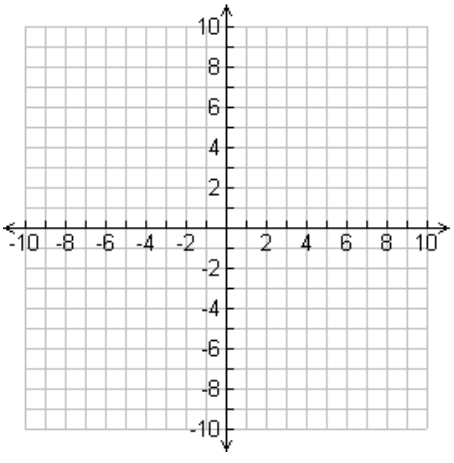
11. $y = \frac{2}{3}x - 4$



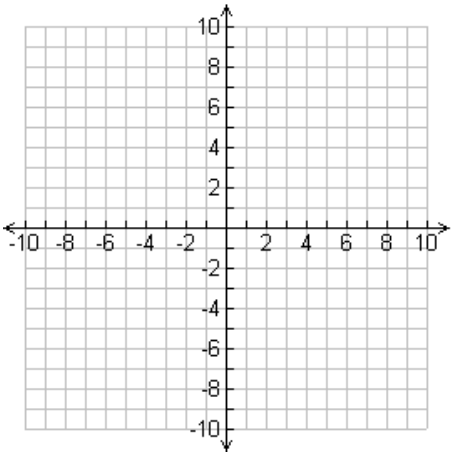
12. $y + 3 = 2(x - 1)$



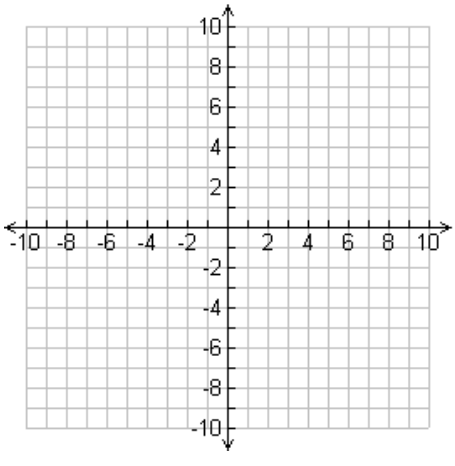
13. $x = -3$



14. $y = 7$



15. $-3x + 4y = 24$



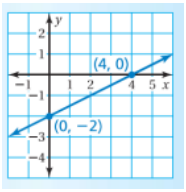
Find the x- and y-intercepts of the graph of each equation.

16. $3x + 2y = 12$

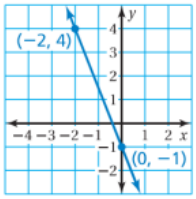
17. $7x - 10y = 14$

Write an equation, in slope-intercept form, for the given line.

18. _____



19. _____



Write each equation in slope intercept form.

20. $4x + 12y = 24$

21. $5x = 4y - 12$

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

22. $m = \frac{1}{3}$ $(6, -2)$

23. $m = -4$ $(-3, 1)$

Write an equation in slope-intercept form that passes through the given points.

24. $(4, 10)$ & $(2, 15)$

25. $(3, 5)$ & $(-2, -5)$

Write an equation in slope-intercept form for the line that passes through the given point and is PARALLEL to the given line.

26. $(-6, 3)$ $y = \frac{1}{2}x + 7$

27. $(-3, 5)$ $y = 4$

Write an equation in slope-intercept form for the line that passes through the given point and is PERPENDICULAR to the given line.

28. $(12, -5)$ $y = 6x - 3$

29. $(5, -4)$ $x = 6$