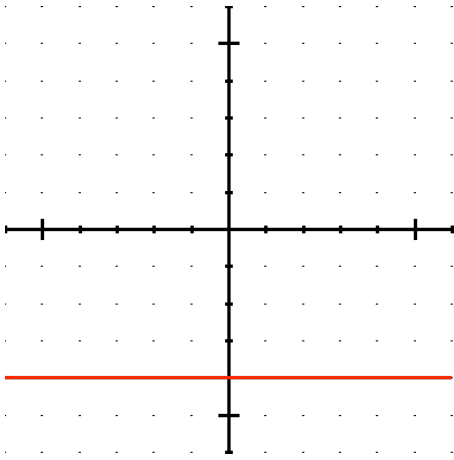
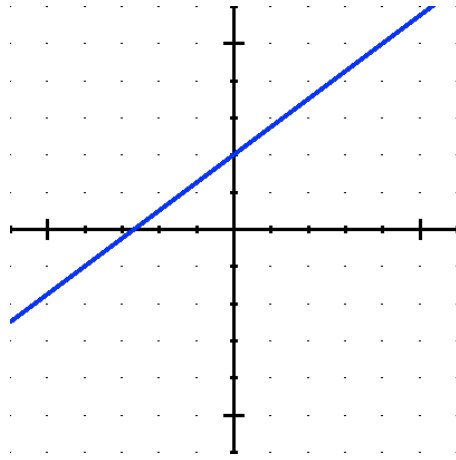


**For #1 – 14, write equations in slope-intercept form for the lines described.**

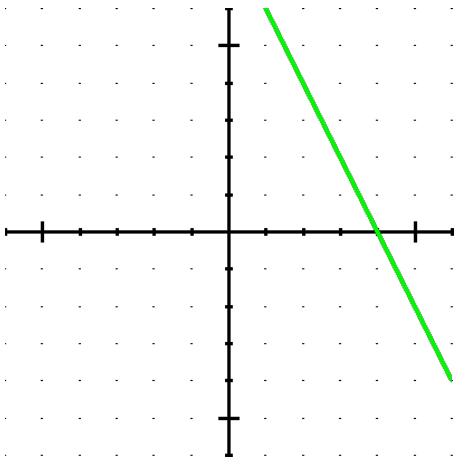
1.



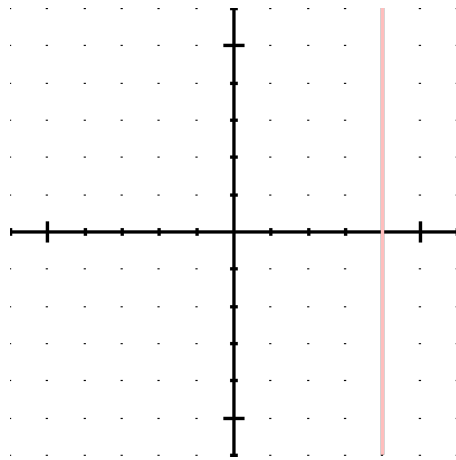
2.



3.



4.



5. The horizontal line going through (8, 4)

6. The line going through (0, 5) and (3, 11)

7. The line with a slope of -2 and a y-intercept of 6

8. The vertical line going through (2, 9)

9. Slope =  $\frac{3}{4}$  and goes through the point (8, 2)

10. The line that goes through (-3, -22) and (12, -2)

11. The line going through the points (20, 30) and (32, 33)

12. The line that goes through the points (-2, 5) and (-2, -3)

13. The line going through the points (3, 5) and (-4, 5)

14. Large busses hold 88 kids, while small busses hold 40 kids. There are 2700 students to put on busses.

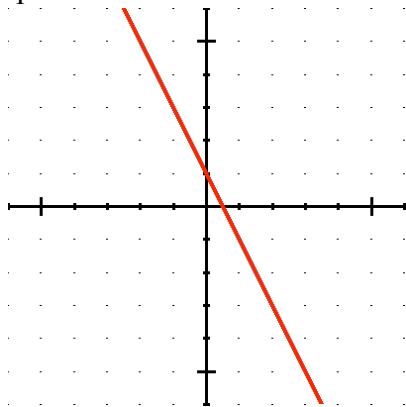
15. If you run for 15 minutes, you burn 100 calories. If you run for 30 minutes, you burn 200 calories.

16. Write  $2x + 3y = 6$  in slope-intercept form.

17. Write an equation in slope-intercept form for the line that goes through (1, 4) and is parallel to  $y = -3x + 2$

18. Write an equation in slope-intercept form for the line that goes through (6, -5) and is perpendicular to  $y = -3x + 2$

19. Write an equation in slope-intercept form for the line that goes through (6, -7) and is perpendicular to the line shown below.



**Review**

20. Solve for  $y$ .

$$10x - 3y = 30$$

21. Simplify.

$$-\frac{19 + 6^2}{73 - 68}$$

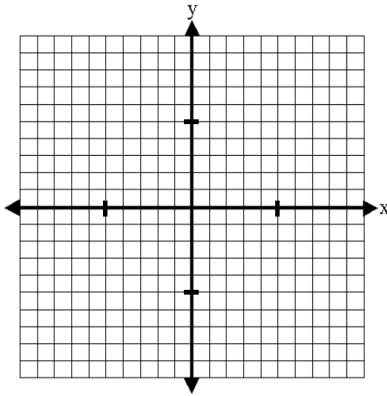
22. Solve.

$$8 - \frac{h}{3} = -10$$

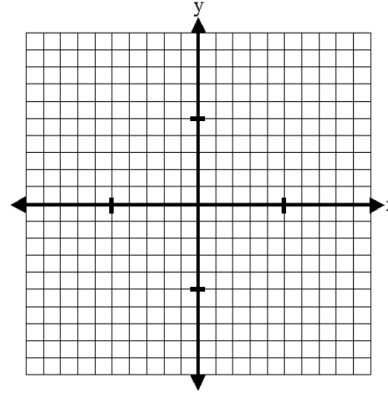
23. Solve.

$$9y - 3(y + 4) = 3(4 + y)$$

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



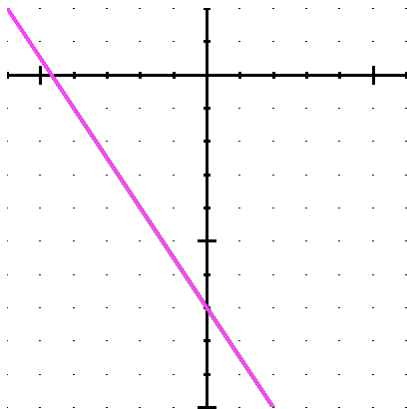
25. Graph  $4x - 6y = 24$



**ANSWERS TO CH5 REVIEW**

1.  $y = -4$  2.  $y = \frac{3}{4}x + 2$  3.  $y = -2x + 8$  4.  $x = 4$  5.  $y = 4$  6.  $y = 2x + 5$  7.  $y = -2x + 6$   
8.  $x = 2$  9.  $y = \frac{3}{4}x - 4$  10.  $y = \frac{4}{3}x - 18$  11.  $y = \frac{1}{4}x + 25$  12.  $x = -2$  13.  $y = 5$   
14.  $88x + 40y = 2700$  15.  $y = \frac{20}{3}x$  16.  $y = -\frac{2}{3}x + 2$  17.  $y = -3x + 7$  18.  $y = \frac{1}{3}x - 7$   
19.  $y = \frac{1}{2}x - 10$  20.  $y = \frac{10}{3}x - 10$  21.  $-11$  22.  $h = 54$  23.  $y = 8$

24.



25.

