Linear Equations Review

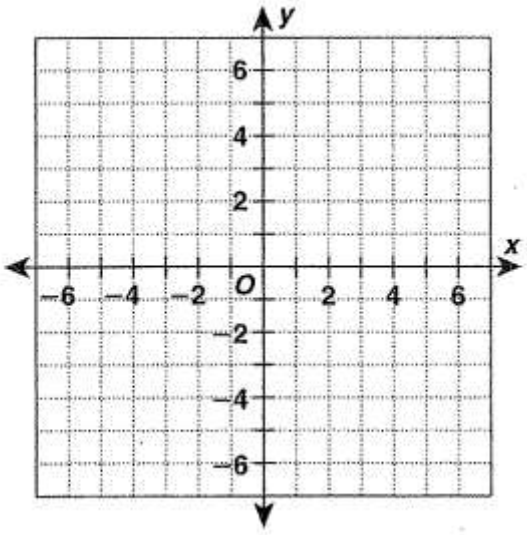
Name: _____ Date: _____

1. Is (3, 3) a solution to the equation **$-2x + 4y = 6$** ?

2. Is (-5, 2) a solution to the equation **$4x - y = 7$** ?

3. Complete the table of values then sketch the graph the equation.
$y = x - 5$

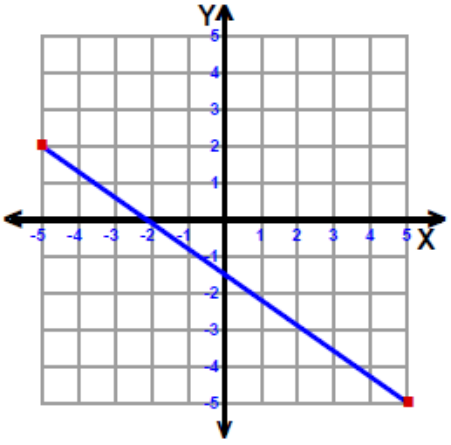
x	-2	-1	0	1	2
y					



4. Find the slope of the line that passes through (6, 1) and (-2, -5).

5. Find the slope of the line that passes through (0, -6) and (-4, -12).

6. Use the graph of the line to determine its slope.

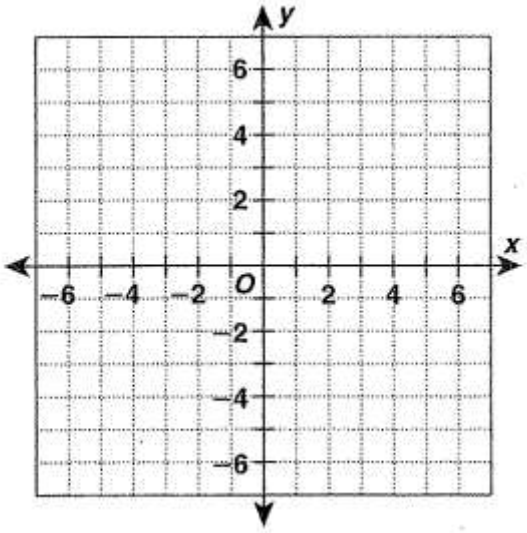


7. For the equation **$y = -\frac{1}{4}x + 8$** state the slope and the y-intercept.

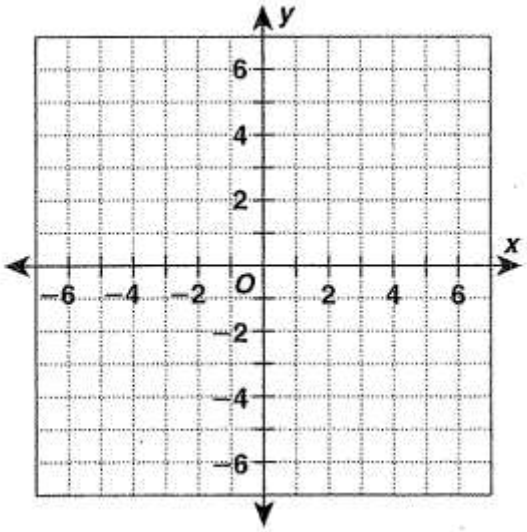
Slope: _____

Y-intercept: _____

8. Graph the line given the point and the slope. **(-5, 3)** and **m = -2**

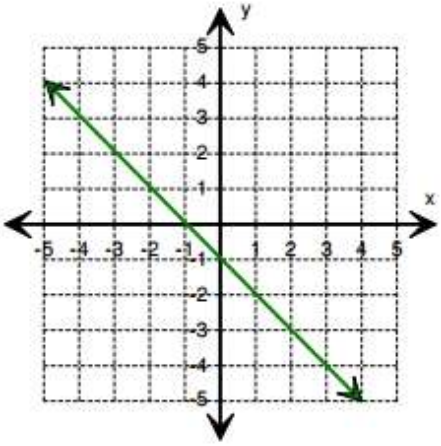


9. Graph the line **y = 4x – 6**.



10. Write an equation of a line in slope-intercept form. The slope is 7 and the y-intercept is (0, -2).

11. Write the equation of the line shown in the graph. Use slope-intercept form.



12. The cost to go to Jump Jump Palace is $8 to get in plus $2 per hour. Write an equation in slope-intercept form that models this situation.

13. Find the total cost of going to Jump Jump Palace for 7 hours.

14. Convert the equation into slope-intercept form: **2y = 8x – 12**

15. Convert the equation into slope-intercept form: **-6x + 4y = 16**