

Appendix B: Activity 2 – Practice Worksheet

Name: _____

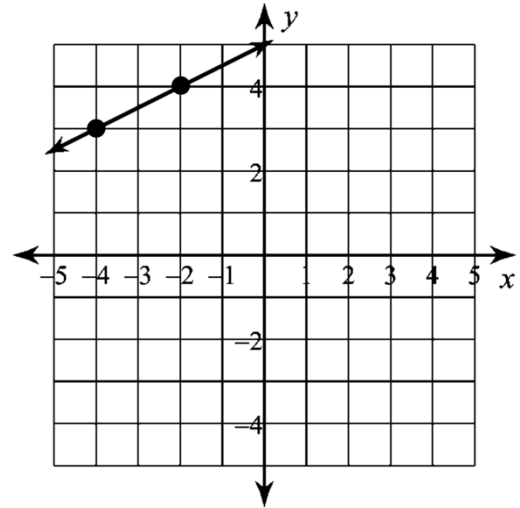
Math 8 Homework | Practice with EVERYTHING ☺

1. What information do I need to use the following formulas?

a) $y = mx + b$

This is the _____ formula.

I need the _____ and the _____ to use it.



b) $y - y_1 = m(x - x_1)$

This is the _____ formula.

I need a _____ and the _____ to use it.

2. Write the equation of a line that passes through the points (2,3) and (4,-3). Put your answer in slope-intercept form, point-slope form, AND standard form.

slope-intercept form	
point-slope form	
standard form	

3. Write the equation of the following line in slope-intercept form.

4. Write the equation of a line that has a slope of $-\frac{3}{4}$ and y-intercept of 7. Put your answer in standard form.

5. Write the equation of a line that has the following points: (Choose your favorite form to put write the equation of the line.)

x	y
-2	16
-1	7
0	-2
1	-11

Short Answer (CHOOSE 1):

1. If you are given two coordinate points, explain how you would find the equation of the line between the points. (You can write this in bulleted steps.)

2. If you are given a table of points, explain how you would find the equation of the between the points. (You can write this in bulleted steps.)