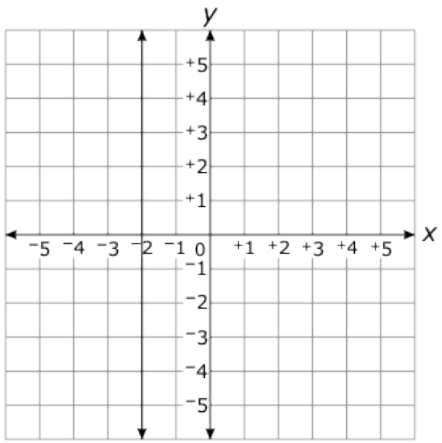
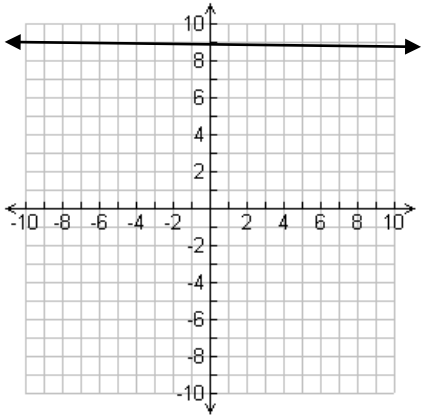
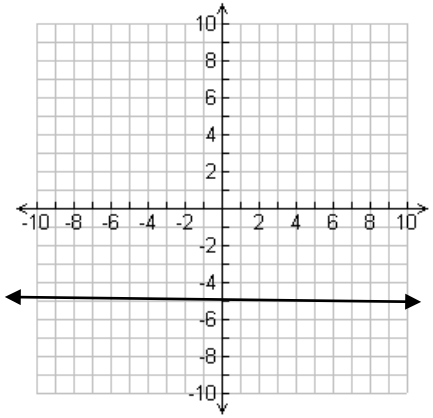
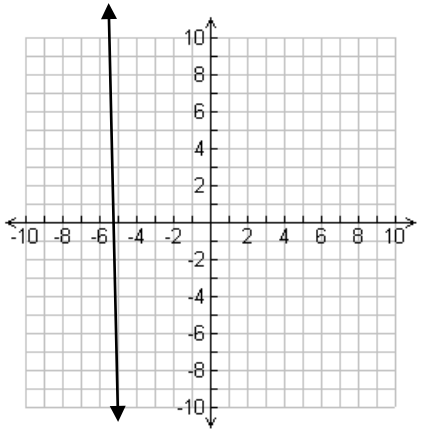
Math 1 Review

1)What value of x satisfies the equation $5(x - 3) - 2(x + 1) = 4$?	1a) What value of x satisfies the equation: 2x – 5(x + 1) = 3x + 1	1b) What value of x satisfies the equation: 2/5x – 15 = 5/8x - 16	1c) What value of x satisfies the equation: 1/2x – 3= 2 – 3/4x
2) Which equation is equivalent to $k = \frac{mv^2}{2}$, when solved for m	2a) The formula for simple interest is $I = Prt$, where I is interest, P is principal, r is interest rate, and t is time in years. Which equation can be used to calculate principal, P?	**2b) The volume (V) of a rectangular pyramid can be determined by using the following formula. V = $\frac{lwh}{3}$ Where l = the length of the rectangle, w = the width of the rectangle, and h = the height of the pyramid, what is the result of solving this equation for w?**	2c) Solve the following for L P = 2L + 2W
3) What is an equation of the line graphed below? 	3a) What is an equation of the line graphed below? 	3b) What is the equation of the line graphed below? 	3c) What is the equation of the line graphed below? 
4) What is the equation of the line that passes through the points on	4a) What is the equation of the line that passes through the points on the	4b) What is the equation of the line that passes through the points on the	4c) What is the equation of the line that passes through the points on the

the following table? 	x	y
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3	1
5	5
7	9
9	13		following table? | x	y
---	---
-7	4
-5	5
-3	6
-1	7		following table? | x	y
---	---
6	1
4	5
2	9
0	13		following table? | x	y
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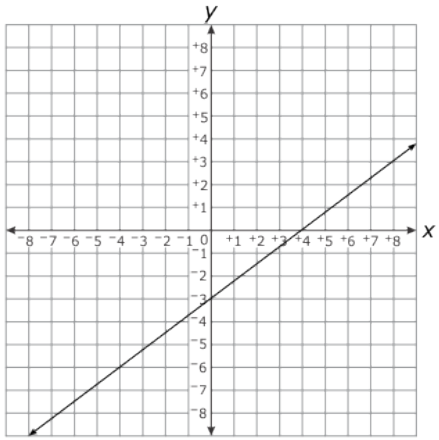
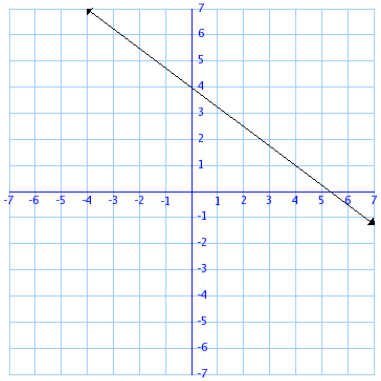
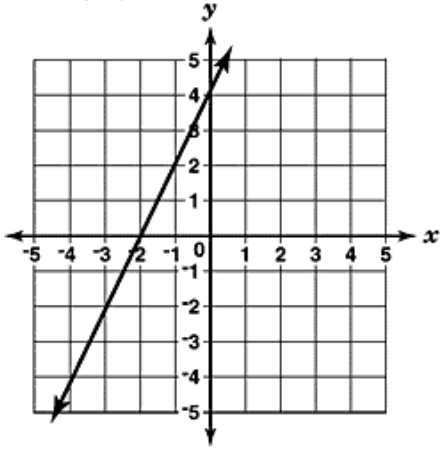
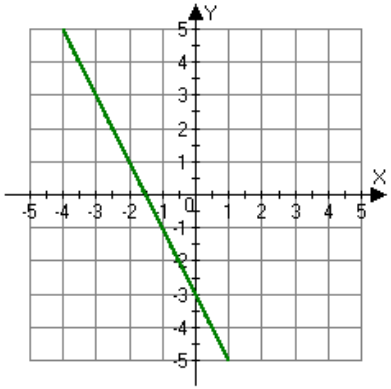
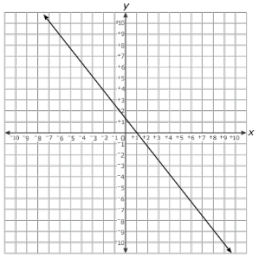
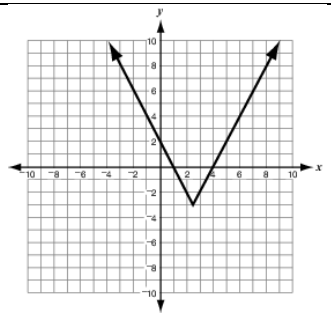
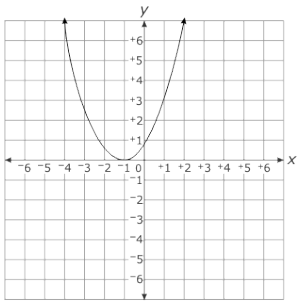
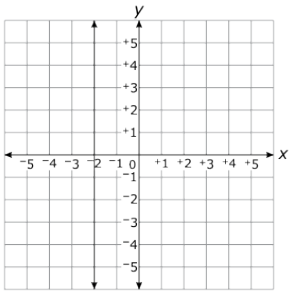
2	1
4	5
6	9
8	13
5) What is the equation of the line in the graph? 	5a) What is the equation of the line in the graph? 	5b) What is the equation of the line in the graph? 	5c) What is the equation of the line in the graph? 
6) What is the equation of a line that has a y intercept of 4 and an x intercept of -2?	6a) What is the equation of a line that has a y intercept of -2 and an x intercept of -3?	6b) What is the equation of a line that has a y intercept of 10 and an x intercept of 5?	6c) What is the equation of a line that has a y intercept of -3 and an x intercept of -1?

7) Which of the following is an example of a function? A. B. C. D. 			
8) What is the equation of a line in point slope form that has a slope of -3 and passes through the point (-4, 9)?	8a) What is the equation of a line in point slope form that has a slope of 5 and passes through the point (1, -1)?	8b) What is the equation of a line in point slope form that has a slope of 0 and passes through the point (4,3)?	8c) What is the equation of a line in point slope form that has a slope of -1/2 and passes through the point (2, -5)
9) What is the slope intercept form of the following equation: $3x - 4y = 8$	9a) What is the slope intercept form of the following equation: $7x + 9y = -10$	9b) What is the slope intercept form of the following equation: $x - y = -1$	9c) What is the slope intercept form of the following equation? $-4x + 6y = 12$
10) What is the equation of a line that has a slope of -4 and passes through the point (3, 4) ?	10a) What is the equation of a line that has a slope of 2 and passes through the point (2,-4)?	10b) What is the equation of the line that has a slope of 5 and passes through the point (-3, 8)?	10c) What is the equation of the line that has a slope of -1 and passes through the point (1, -2)?
11). What is the equation of a line that passes through the points (3, -2) and (-1, 4) ?	11a) what is the equation of a line that passes through the points (1,1) and (7, 9)?	11b) What is the equation of a line that passes through the points (3, 7) and (-2, 8)?	11c) What is the equation of a line that passes through the points (2, -9) and (4, 8)?