$y = f(x)$
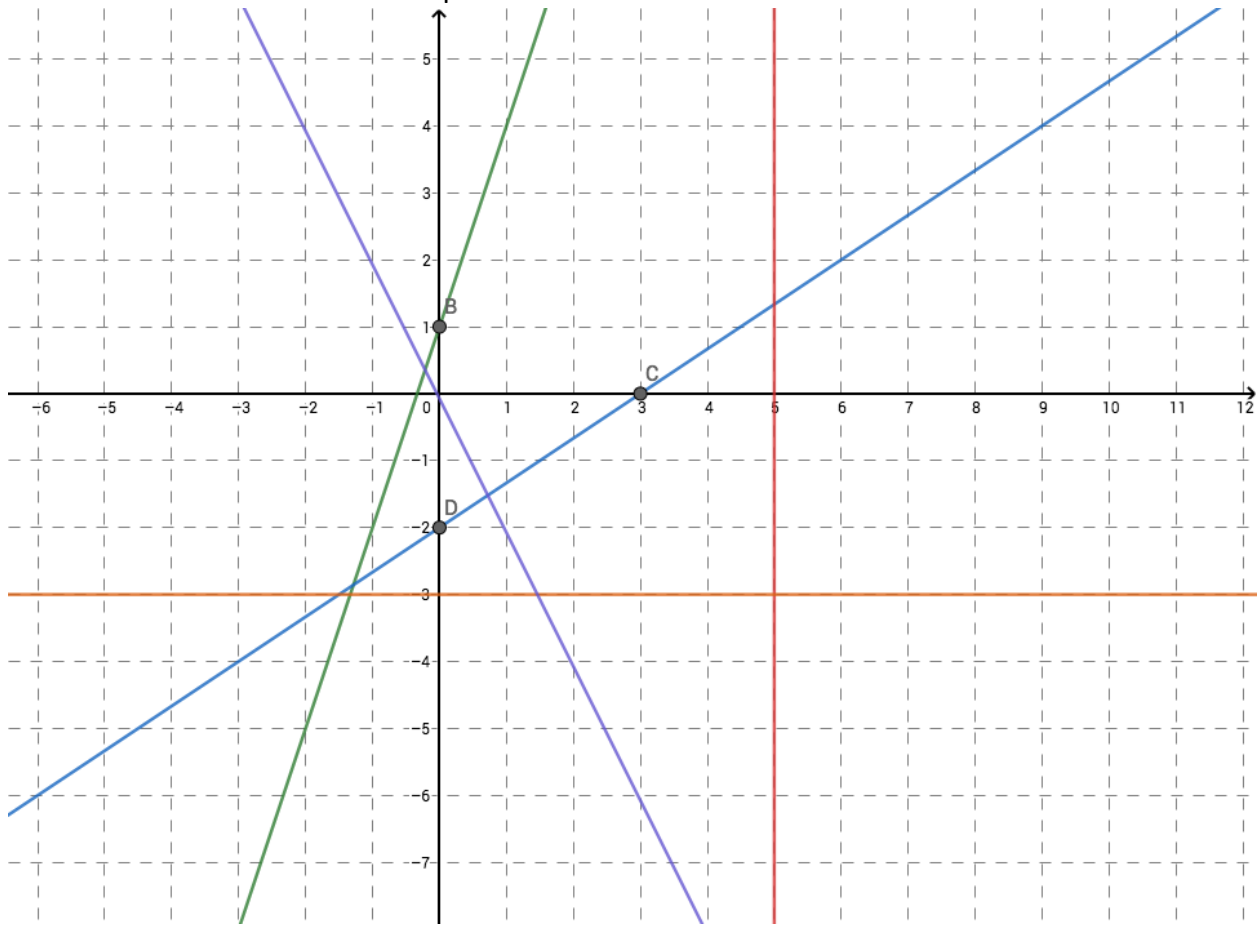
1. Find the Maximum and Minimum for f(x) over -9 < x < 9
2. State the range for f(x)
3. Find the Average Rate of change from -3 < x < ≤2.
4. Find f(7)
5. State the domain for f(x) over -9 < x < 9
6. State the range for f(x)

7. What is Slope? _____

8. What is the general form of a linear equation?

_____

9. 3. y= 2/3 x – 1   Slope _____ y- intercept_____
10. 4. x + y = 2/3   Slope _____   y- intercept_____
11. 5 9x + 4y = 12   Slope _____   y- intercept_____
12. What is the equation of a horizontal line that passes through (5,2)

13. Label each line with the equation of the line. .

Which of the above has a Domain of all real numbers and a Range of {5}
Find the equation of the linear equations listed the following table:

X	f(x)	x	J(x)	x	g(x)		x	h(x)
-2	-6	-2	5	-2	-3		-1	2
0	0	-1	5	-1	-1		6	-3
1	3	0	5	0	1			
2	6	1	5	1	3			

Solve the following systems of equations:

y- -3x+5	-5x + y =	Y = 2x - .5
5x – 4y = -3	3x – 8y = 24	Y = -x - $\frac{1}{2}$

Solve this 3 different ways:

-3x + 5Y = 9

3X + 4Y = -18

Find the Inverse function of: y= 3x - 9 and y = X² + 1 . Use you answers to show they are inverses.