1.) Solve for 
$$x: 3x^2 + 29 = 56$$

$$-39 - 39$$

$$3x^2 = 37$$

$$3\sqrt{2} = 37$$

2.) Solve for 
$$h: V = \underline{Bh}$$

$$3V = \underline{Bh}$$

$$h = \underline{3V}$$

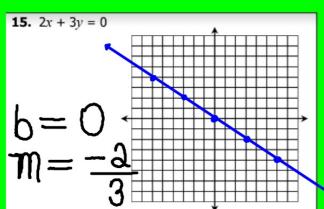
3.) The length of a rectangle is 5 more than its width. If the rectangle has a perimeter of 86, what is the length of the rectangle?

$$U = 80$$

$$W = 80$$

$$\begin{array}{c|c} & & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\$$

## **Graphing Linear Equations Review**



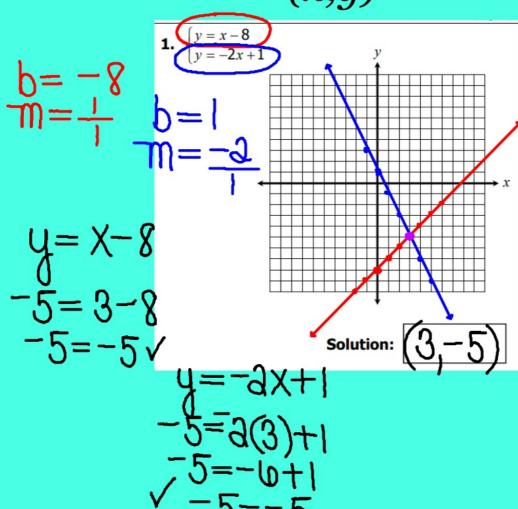
$$\frac{3y + 3y = 0}{-3x} = -\frac{3x}{3} = -\frac{3x}{3} = -\frac{3x}{3}$$

$$y = -\frac{3x}{3} = -\frac{3x}{3}$$

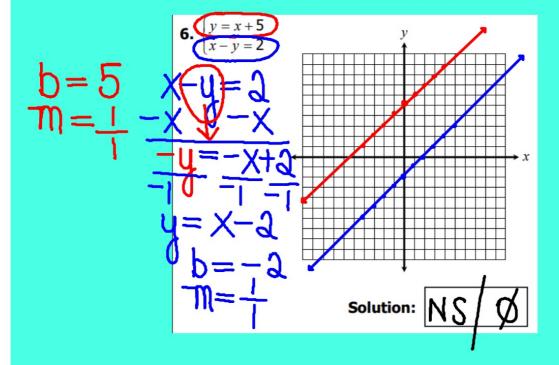
$$\begin{array}{c|c}
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and the second second			
SYSTEMS OF EQUATIONS	a set of two or more equations		
	with the same set of unknowns.		
The SOLUTION	Graphically: The point $(x, y)$ where the two lines $intersect$ .		
toaSystem	Algebraically: The point $(x, y)$ that makes both equations $\underline{equal}_{}$ .		
TYPES OF	INTERSECTING LINES	PARALLEL LINES	SAME LINE
SOLUTIONS			
		// same	
		* slope	/
	ONE SOLUTION	NO SOLUTION	INFINITE SOLUTION
	(x, y)	NS	INF SOL.
SOLVING	1) Solve both equations for $y = mx+b$		
SYSTEMS BY GRAPHING	2) Graph using slope and y-intercept		
	3) Determine the solution		

## One Solution (x,y)



## No Solution



## Infinite Solutions

