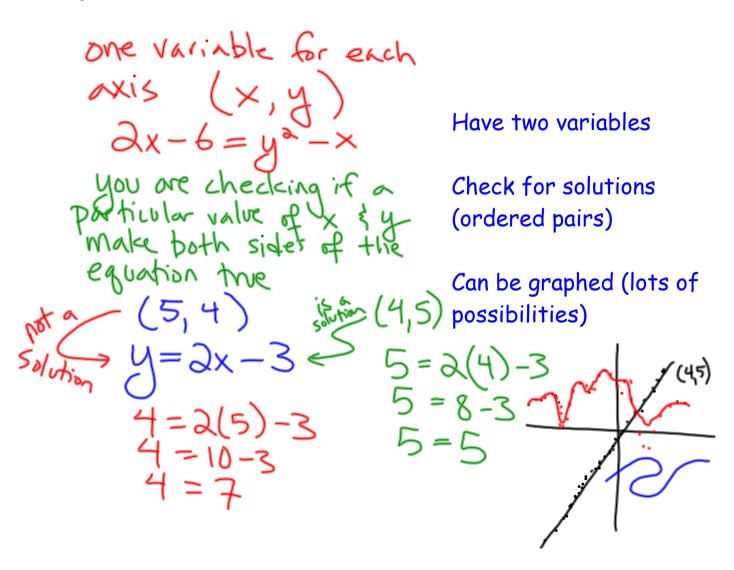
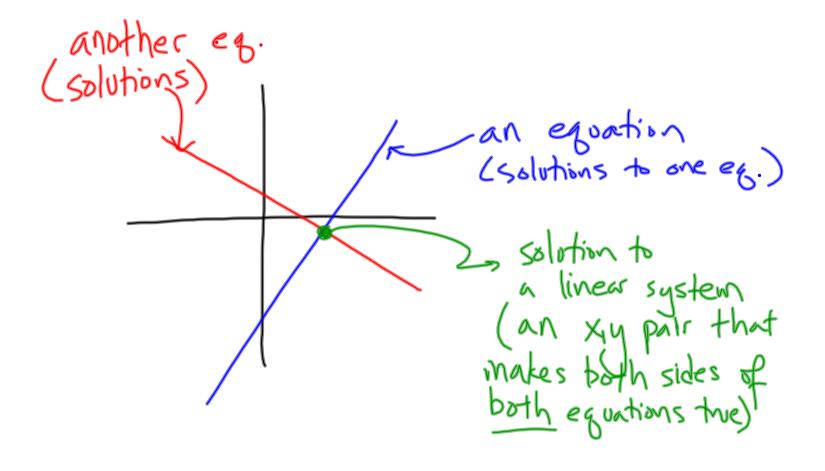
Homework Review - 4.1

Equations in Two Variables

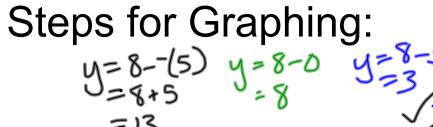




Linear Equations

Standard form -2x+3y=5 Slape-intercept form -2x+3y=5 +2x Graphs make a line Ax + By = C (standard) y = mx + b -3(-1)+5Make a table and plot

$$y = 8 - x$$



1. Solve the equation for y

2. Make a table of x and y values

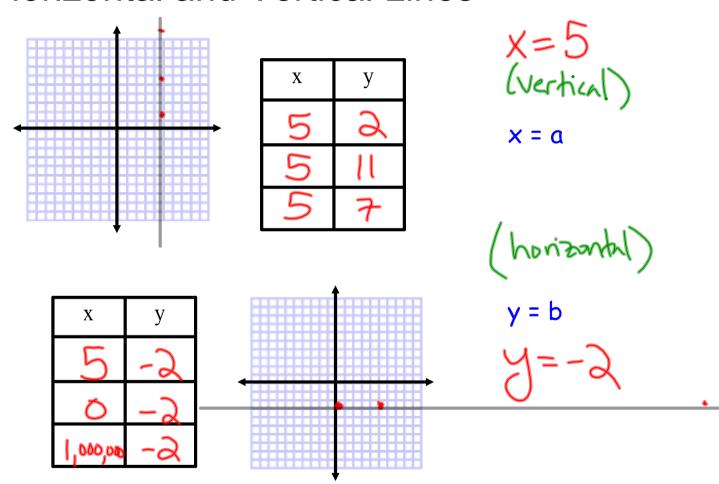
3. Pick two random x values and solve for y

- Graph the coordinates on a olane
- Connect the points with a line

L			Ш				ш				┸						~ 4.	C
											L							n
																	√ <u>5</u> .	<u>۲</u>
																	√ 5.	C
											Т							
ľ	T	Т			Т		П		П		Т			\Box				
ı	Т	т	П	T	т		П		T	Т	т	Г						
			П						T		T							
1	Т	Т			T		П		П	Т	Т						_	
ı	7	+	Н	┪	+	т	Н		┪	Ť	T	Н		П		7		
ı	+	+	Н	7	_	_	H		7	+	۰	Н		н				
ŀ	+	+	Н	7	_		H		7	+	t	H		Н				
ŀ	+	+	Н	-	+	+	Н		+	+	╈	-	Н	Н		-		
ŀ	+	+	Н	+	+		Н	-	+	+	+	-	Н	Н		-		
ŀ	+	+-	Н	-	-	-	Н		+	+	┿	-		Н				
ŀ	+	+	Н	-	+	-	Н	-	4	+	┿	┡	Н	Н		_		
	4	+	Н	4	-	-	Н	_	4	+	╄	H		Н	_			
	4	+	Ц	4	4	4	Ц	4	4	4	╇	L	Ш	Ш				
L		_	Ш	Щ	_		Ш	4	Ц	_	L	L		Ш				
								¥										

X	у
<u>1</u>	13
0	8
Ŋ	W

Horizontal and Vertical Lines

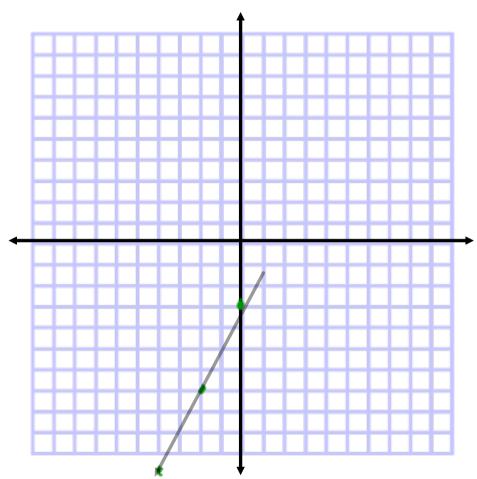


6x - 3y = 9; domain: x < 1

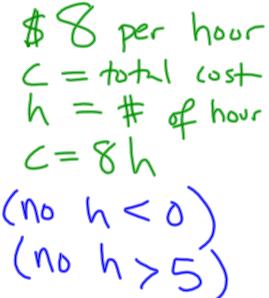
$\frac{-3y}{-3} =$	-6x.	+9
8=	= 2×	-3

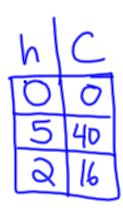
X	у
0	-3
-2	-7
-4	-

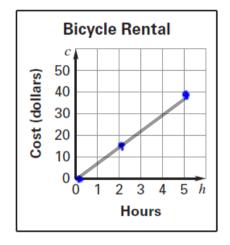
not 3 3 a solution!



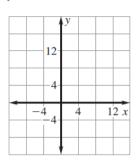
Bicycle Rental A bicycle rental shop rents bicycles for \$8 per hour. The total cost c (in dollars) for renting a bicycle h hours is given by the function c = 8h. Once you get to the rental shop, you figure you can rent a bicycle for at most 5 hours. Graph the function and identify its domain and range. What is the most that you will pay for renting the bicycle?

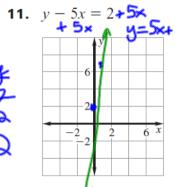




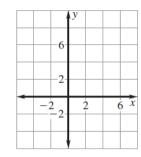


10. y + x = 14

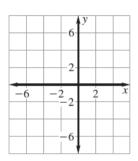




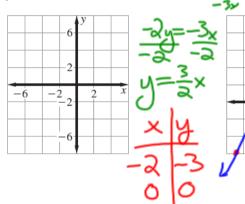
12. 2y - 4x = 10



13. x = -6



14. $y = 4^{1/2}$



15. 3x - 2y = 0**- 3**×

Homework:

p. 219; 4-16 by 4, 26, 36, 38