1.1 Graphing

GOALS:

- 1. Understand how word problems translate to algebraic equations.
- 2. Determine ordered pairs that are solutions of equations.
- 3. Plot points of solution for an equation and sketch the graph of the equation.

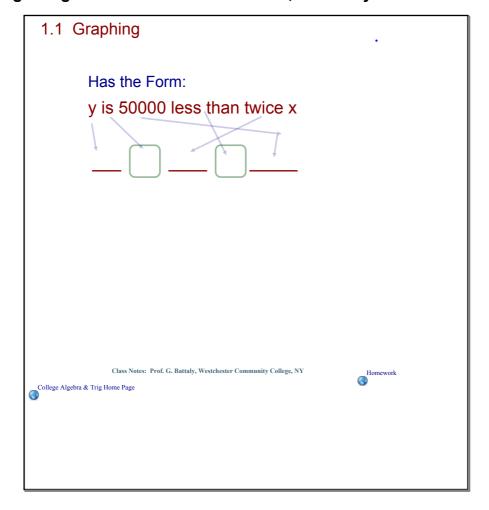
Study 1.1 CVC 1-9, # 1- 9; 13, 17, 21, 25; 33 - 53; 57, 67 - 83

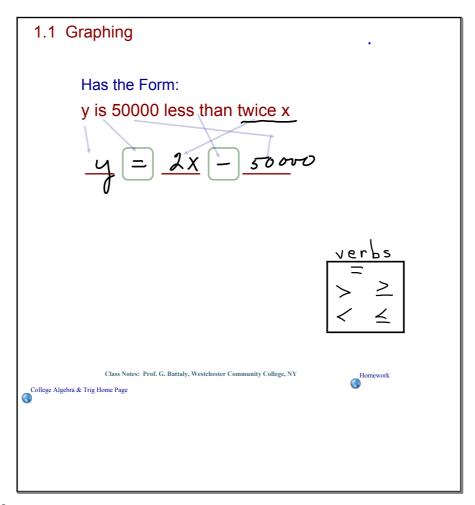
Class Notes: Prof. G. Battaly, Westchester Community College, N

Homewo

College Algebra & Trig Home Page

Convert to Algebra: The average yearly salary of a an American whose final degree is a master's is \$50,000 less than twice that of an American whose final degree is a bachelor's. Has the Form: y is 50000 less than twice x





1.1 Graphing Convert to Algebra: The average yearly salary of a an American whose final degree is a master's is \$50,000 less than twice that of an American whose final degree is a bachelor's.

$$y = 2x - 50,000$$

where

y = salary of American with master's degree and

x =salary of American with bachelor's degree

Class Notes: Prof. G. Battaly, Westchester Community College, N

College Algebra & Trig Home Page

Homewo

1.1 Graphing

When is this sentence true?

$$y = 2 x - 5$$

Does x = 0 and y = 0 make it true?

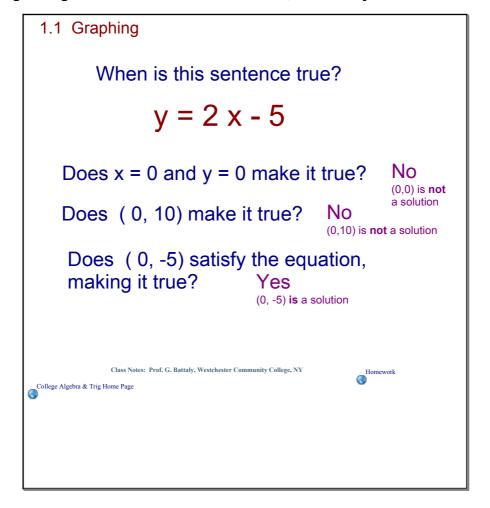
Does (0, 10) make it true?

Does (0, -5) satisfy the equation, making it true?

Class Notes: Prof. G. Battaly, Westchester Community College, NY

Homewor

College Algebra & Trig Home Page



1.1 Graphing When is this sentence true? Find other solutions to the equation.		
y = 2 x	- 5 x	y
(-3,)	-3	
(-2,)	-2	
	-1	
(-1,)	0	-5
(1,)	1	
(2,)	2	
(3,)	3	
Class Notes: Prof. G. Battaly, Westchester Community College, NY Homework College Algebra & Trig Home Page		

When is this sentence true?			
Find other solutions to the equation.			
	1		
X	У		
-3	-11		
-= - 9 -2	-9		
-1	-7		
0	-5		
³ 1	-3		
2-1	- 1		
<u>-</u> 1 3			
ity College, NY Hor	Homework		
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		

