9.3 Linear Relationships

You can graph a linear relation represent by a ______ or an _____.

First, make a table of values. Check that the values in the table are ______.

Then, graph using the ______ in the table.

Whenever possible, choose variable that are ______.

For example, h for height and t for temperature.

When choosing numbers for your table of values....

Choose at least 4 values

Check that they are reasonable (can it be a negative?)

It is often useful to have a x = 0 value

http://www.youtube.com/watch?v=sPPZO5iTIBw&f eature=em-upload_owner

A	is a mathematical	
statement that	•	elationship between
An	is a mathematical	
statement with two expressions that have the same value. The two expressions are separated by an equal sign. For example:		
x + 2 = 3	y - 7 = -4	3a – 2 = a + 2b

Evaluate each equation using the given variable

$$y = 5x - 3$$
 when $x = 3$

$$y = -5x$$
 when $x = 10$

Make a table of values for the equation and draw the graph

$$x = -2, 0, 2, 4$$

$$y = 3x + 2$$

