Strand: Algebra Name:__*KEY*__ Blk: ____

Skill Addressed: Linear Relationships Explored

Part 1: Table of Values Activity:

	7	8	9
	10	11	12
Row 1	13	14	15
Row 2	16	17	18
Row 3	19	20	21
Row 4	22	23	

Joy made 3 columns and filled them with consecutive integers.

If 13 is her "start" number, complete the following T-Table of values:

Which Term?	Value of Term	
(x)	(y)	
1	13	(1 X 3) + 10
2	16	(2 X 3) + 10
3	19	(3 X 3) + 10
4	22	(4 X 3) + 10

1) Can you explain to Joy how to find the value of a term if she knows that her row is #6?

$$(6 \times 3) + 10$$

Is there a pattern for finding a value when you know the row 2) number? Explain by using an algebraic expression or function.

If the row number is x, then
$$(x \times 3) + 10$$
 or $3x + 10$

As a function, it can be written as:
$$y = 3x + 10$$

Write to explain to Joy how to find any value, if you know the row 3) number.

Multiply the row number by three, and then add 10.