Name: Answerkey

Chapter 2: Study Guide Quiz Take 2

LT3: Write the equations of lines in slope intercept form (2-3 Pg. 74)

2.) Directions: Re-write the equation of the line in slope-intercept form

V6-MIII	y _5 =	= -2(x -	6)	
-	45		10	- +5
	J-	-3X	-7	5
< '	7= -	ON		

. 10111	y + 2 = 3(x - 1)	a
	y = 3x - 3	-2
	y= 3x-6	

- LT4: Write an equation of a line given its slope and a point on the line (2-4 Pg. 81)
- 3.) Directions: Write an equation of the line containing the points below:

$$(1,4) \text{ and } (2,8)$$

$$M = \frac{4}{2}$$

$$= \frac{4}{2}$$

$$= \frac{4}{2}$$

$$(-10, 4) \text{ and } (-14, 7)$$

$$M = 40 - 41 = 7 - 4$$

$$3 - 4$$

- LT 6: Analyze transformations of functions (2-6 Pg. 99)
- 8.) What is the new equation of the line below after the translation given:

2 units left of the equation
$$y-3=\frac{1}{2}(x-8)$$

 \times variable negative
 $50+3=\frac{1}{2}(x-6)$

3 units up of the equation $y + 5 = \frac{3}{4}(x + 2)$

- LT 7: Graph absolute value functions (2-7 Pg. 107)
- 10.) What is the vertex of the linear absolute value function)

$$y = |x-5|+10$$

$$y = |x-h| + k \quad (h,k)$$

$$(5,10)$$

y = |x+3|-7 y = |x-h|+k (h, K) (-3, -7)