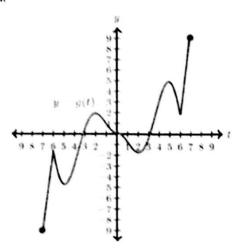
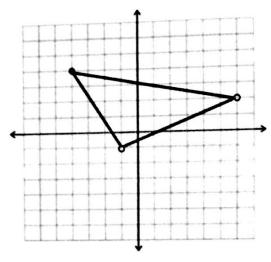
/	Name: LEY Hour: Date:			
	NOTES: Domain and Range			
	Goals: #1 – I can use interval notation to denote a function's domain and range. #2 – I can determine the domain and range of a function when given a graph. #3 – I can identify the domain and range of any function.			
	Homework: Domain & Range Worksheet			
	Exploration #1:			
	1. How could we represent the set of numbers that are shaded in RED?			
	-6 -4 -2 0 2 4 6			
	$\begin{bmatrix} -6 & -4 & -2 & 0 & 2 & 4 & 6 \\ (-7, 5) & & & & & & & & & & & & & & & & & & $			
	Review: How do we define domain and range?			
	DOMAIN: set of all possible inputs (x values)			
	RANGE: Set of all possible outputs (y values)			
	Notes: We use			
	When listing domain and range, we list the $\frac{SMMICST}{DIST}$ possible value on the $\frac{1CFT}{DIST}$ and the $\frac{MICST}{DIST}$ possible value on the $\frac{MICST}{DIST}$			
	[OR (smallest largest) OR]			
	We use Closed by a Clots L, L to include a value in the set. We use Open yarantuses (,) to NOT include a value in the set.			

Example #1: Identify the domain and range of the relations graphed below. Use interval notation.

a.



b.



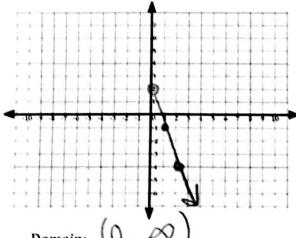
Domain:

Domain:

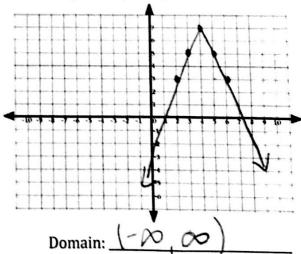
Range:

Example #2: Graph the function using any method. Identify the function's domain and range using interval notation.

a. y = -3x + 2 for x > 0



b. y = -2|x - 4| + 7



Domain: _

Name:	Hour:	Date:
Name:	110ui	Dutti

Example #3: Jason had a summer job that paid \$7.00 an hour and he worked between 15 and 35 hours every week. His weekly salary can be modeled by the equation: S = 7h, where S is his weekly salary and h is the number of hours he worked in a week.

a. Describe a reasonable domain and range for the situation.

Domain: [15, 35]

Range: [105, 245]

f(15) = 7(15) = 105

f(35) = 7(35) = 245