Given: $T(Q) = 5Q - 8$ and $K(Z) = Z^2 - 20$

$5 \cdot 1 - 8$ $\quad$ $(4)^2 - 20$

$10(-3)$ $\quad$ $5(-4)$

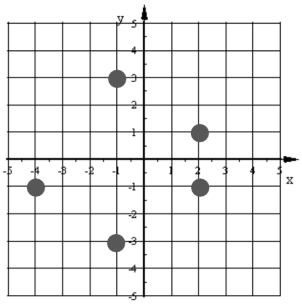
Find: $10T(1) + 5K(4)$

$-30 + -20$

$= -50$

What is the domain and range each relation?

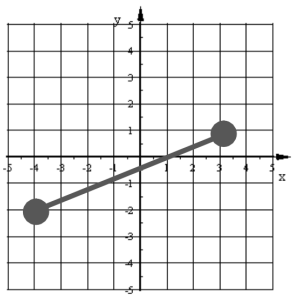
A. Discrete Graph



D: $\{-4, -1, 2\}$

R: $\{-3, -1, 1, 3\}$

B. Continuous Graph



D: $-4 \leq x \leq 3$

R: $-2 \leq y \leq 1$

Hwk #2:
Use a sheet of graph paper.
Put each problem on a separate set of x-y axes

Sec 5-3
Pages 249-248
Problems 6, 7, 21, 23, 27, 37

Due Monday

Section 5-4: Writing Function Rules (equations)

Write a function rule to model the data in the table.

X	Y
2	5
4	7
6	9
8	11

$Y = X + 3$

or

$f(x) = X + 3$

Write a function rule to model the data in each table.

1.

X	Y
–5	–10
–2	–7
0	–5
3	–2
7	2

$y = X - 5$

2.

X	Y
-4	-10
-2	-5
2	5
4	10

$y = 2.5X$

3.

X	Y
-24	6
-16	4
0	0
8	-2
12	-3

$y = \frac{X}{-4}$