Review:

1) Domain and Range

Domain	Range
-2	-1
-1	0
0	1
1	2
2	3

y= x+1

One-to-one
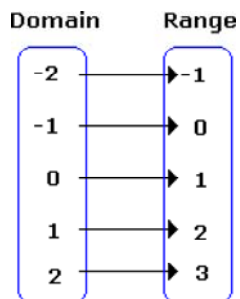
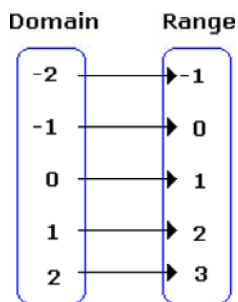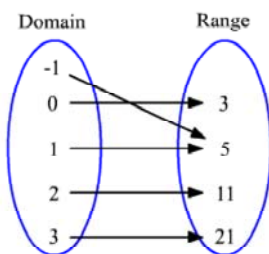| Domain	Range
-1	3
0	5
1	11
2	21
3	
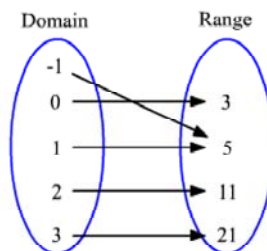
$y=2x^2+3$

many-to-one

Domain: $\{-2, -1, 1, 2\}$　$\{-1, 0, 1, 2, 3\}$

Range: $\{-1, 0, 1, 2, 3\}$　$\{3, 5, 11, 21\}$

2) Functions: each element in the domain maps to only one element in the range

Choose which map represent a function:

Domain	Range
-2	-1
-1	0
0	1
1	2
2	3

(A) ✓

Domain	Range
-1	3
0	5
1	11
2	21
3	

(B) ✓

domain	range
-8	7
-1	9
0	
15	
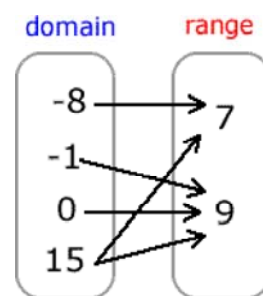
(C) ✗

one to many

Find the Domain and Range for each graph.

$(-5, 5)$
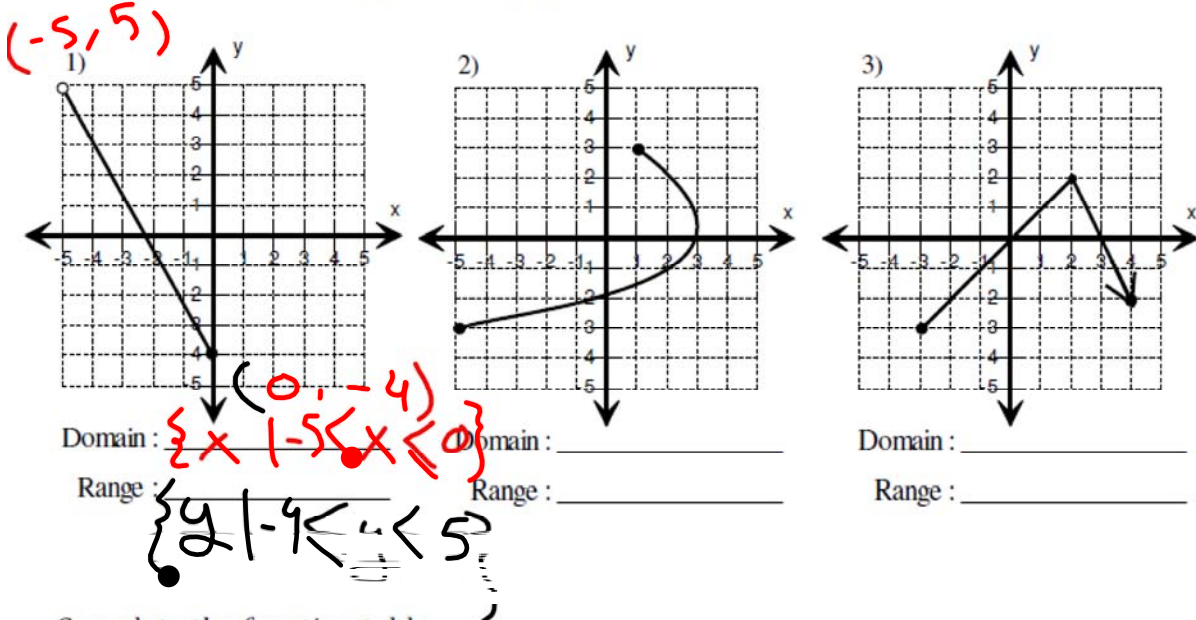
1)

2)

3)

Domain : $\{x \mid -5 \le x \le 0\}$ $(0, -4)$ Domain : _____   Domain : _____

Range : $\{y \mid -4 \le y \le 5\}$ Range : _____   Range : _____

Complete the function table:

1) $f(x) = 5x^2$

x	-3	-1	2	3	5
$f(x)$	45	5			

2) $f(x) = x - 3$

x	1	2	4	5	8
$f(x)$					

$f(x) = 5x^2$

$f(-3) = 5(-3)^2$

$f(-3) = 5 \cdot x^2$

$f(-3) = 45$

$f(-1) = 5(-1)^2$

$= 5 \cdot (1)$

$= 5$

Next class:

1) show me that you have completed all your work

2) Basic graphing :)