

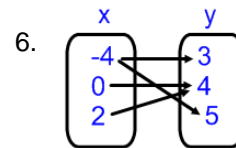
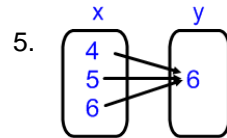
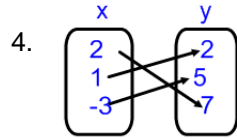
**Relations and Functions – Class Work**

Is the relation a function?

1.  $\{(1,2), (3,4), (5,6)\}$

2.  $\{(4,3), (3,2), (4,2)\}$

3.  $\{(5,1), (3,1), (-4,1)\}$



7. 

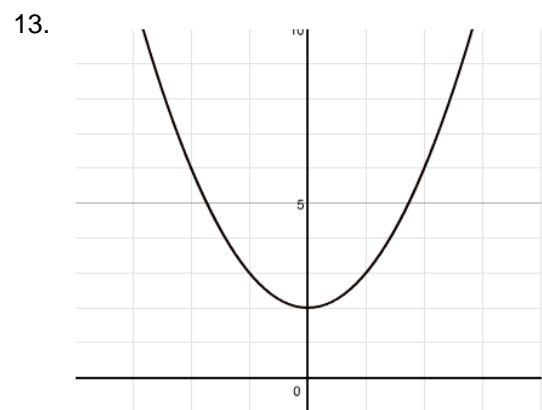
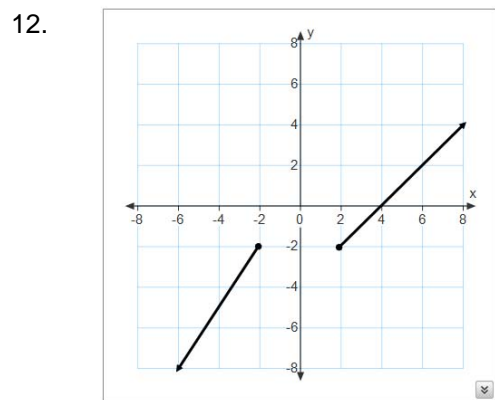
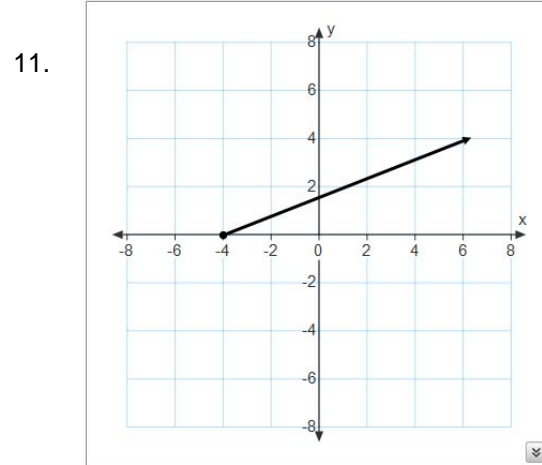
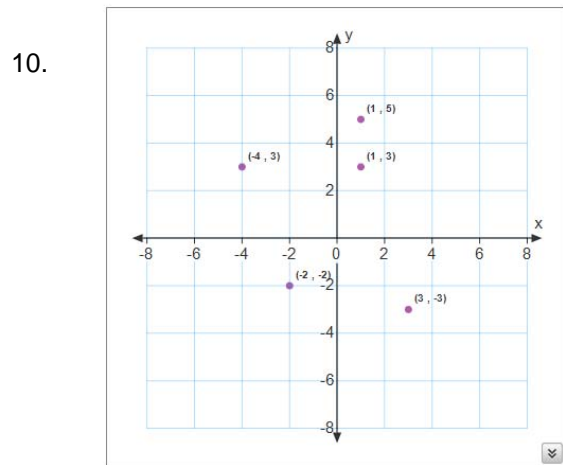
X	Y
2	4
3	5
-2	3
-1	7
-2	0

8. 

X	Y
1	3
2	4
1	5
2	6

9. 

X	Y
1	5
2	5
3	6
-4	6
0	7



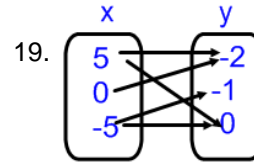
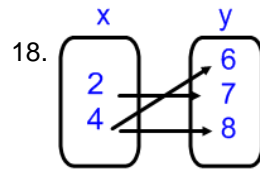
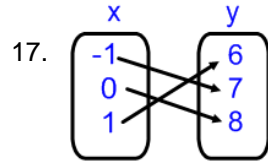
**Relations and Functions – Home Work**

Is the relation a function?

14.  $\{(3,1), (-2,6), (1,4)\}$

15.  $\{(1,2), (2,2), (1,2)\}$

16.  $\{(2,1), (5,1), (-6,7)\}$



20. 

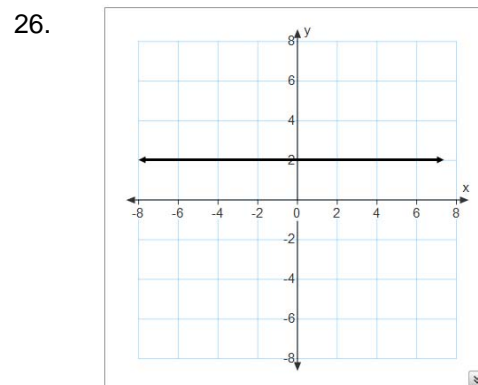
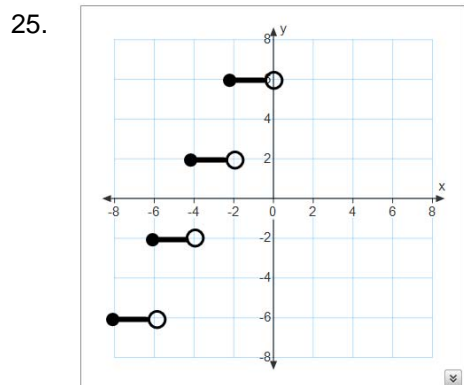
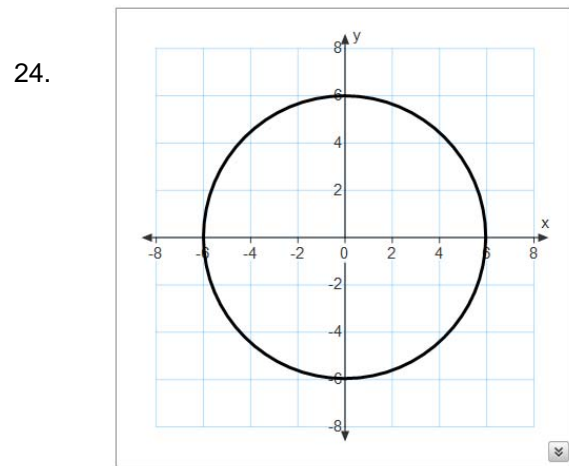
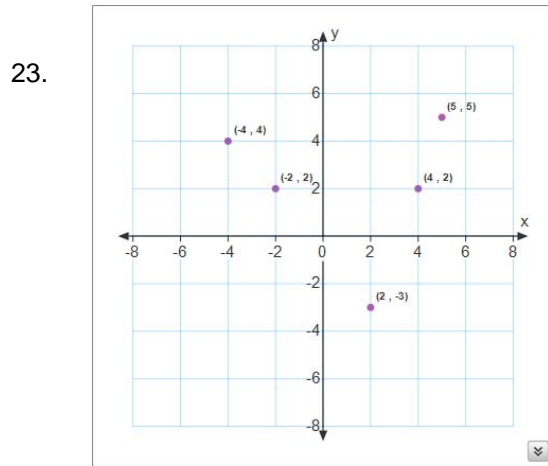
X	Y
6	4
5	3
4	2
3	1

21. 

X	Y
5	3
5	2
5	1
5	0

22. 

X	Y
4	3
3	2
4	2
3	4



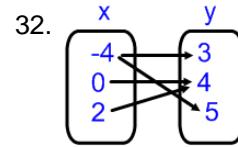
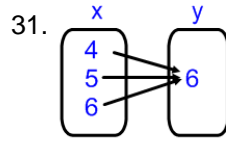
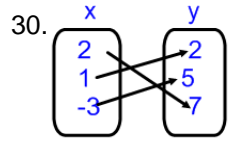
**Domain and Range – Class Work**

Find the domain and range for each of the following

27.  $\{(1,2), (3,4), (5,6)\}$

28.  $\{(4,3), (3,2), (4,2)\}$

29.  $\{(5,1), (3,1), (-4,1)\}$



33.

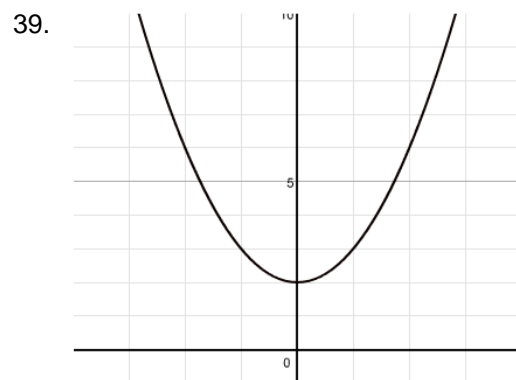
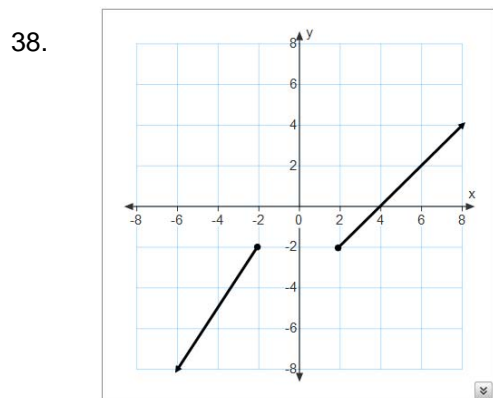
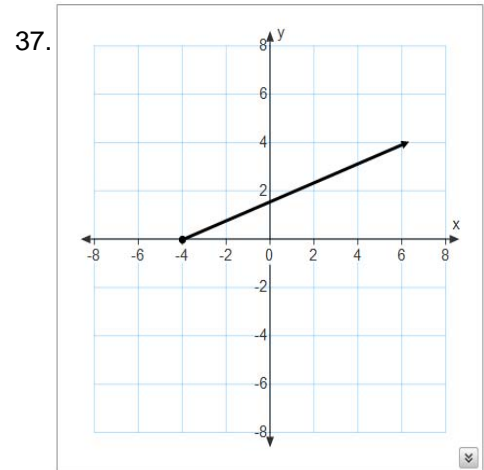
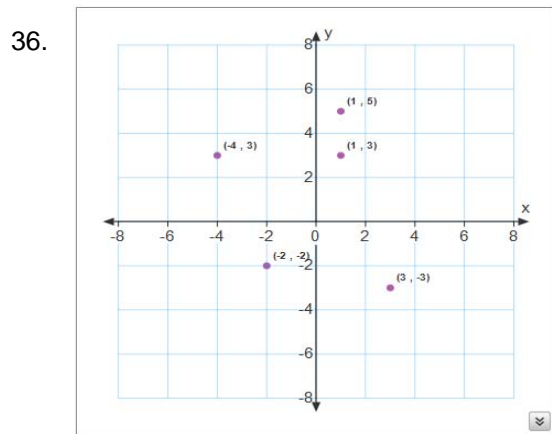
X	Y
2	4
3	5
-2	3
-1	7
-2	0

34.

X	Y
1	3
2	4
1	5
2	6

35.

X	Y
1	5
2	5
3	6
-4	6
0	7



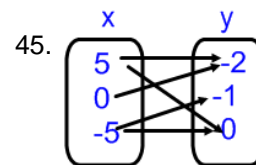
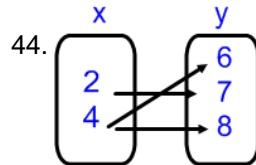
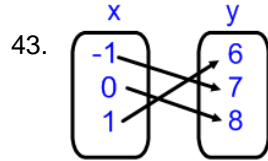
**Domain and Range – Home Work**

Find the domain and range for each of the following

40.  $\{(3,1), (-2,6), (1,4)\}$

41.  $\{(1,2), (2,2), (1,2)\}$

42.  $\{(2,1), (5,1), (-6,7)\}$



46. 

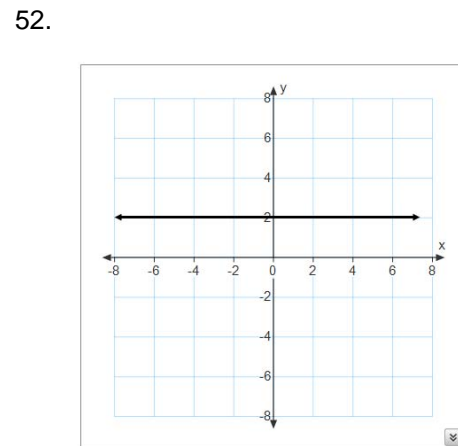
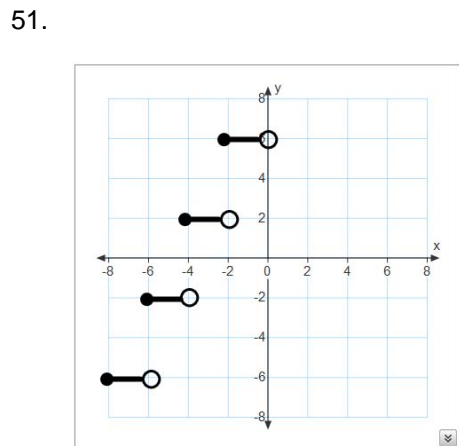
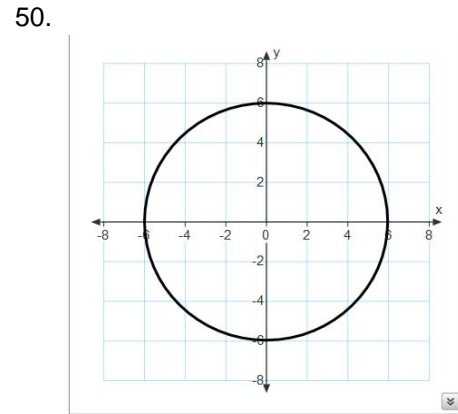
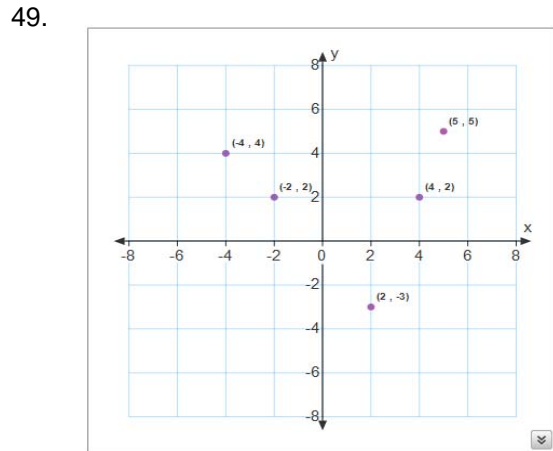
X	Y
6	4
5	3
4	2
3	1

47. 

X	Y
5	3
5	2
5	1
5	0

48. 

X	Y
4	3
3	2
4	2
3	4



**Evaluating Functions – Class Work**

Let  $f(x) = 3x+4$  and  $g(x) = |x-4|$ , find the following

53.  $f(2)$

54.  $f(3)$

55.  $g(6)$

56.  $g(2)$

57.  $2f(6)$

58.  $0.5g(2)$

59.  $f(4) - g(3)$

60.  $g(5) - f(5)$

61.  $f(0)^2$

62.  $g(3)^3$

63.  $g(a)$

64.  $f(2b)$

**Evaluating Functions – Home Work**

Let  $f(x) = (x-1)^2$  and  $g(x) = |2x-3|$ , find the following

65.  $f(2)$

66.  $f(3)$

67.  $g(6)$

68.  $g(2)$

69.  $2f(6)$

70.  $0.5g(2)$

71.  $f(4) - g(3)$

72.  $g(5) - f(5)$

73.  $f(0)^2$

74.  $g(3)^3$

75.  $g(a)$

76.  $f(2b)$