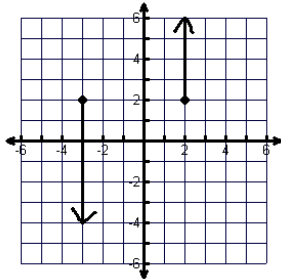**Day 8 Homework Part 2**
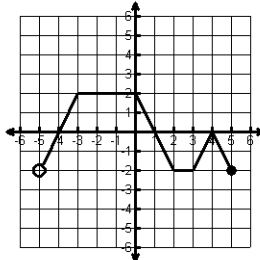
Domain and Range Worksheet

Name: _____

Date: _____ Hour: ____

State the domain and range for each graph and then tell if the graph is a function (write yes or no).
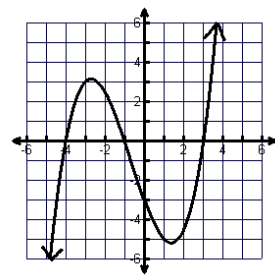
1) Domain_____
   Range_____
   Function?_____
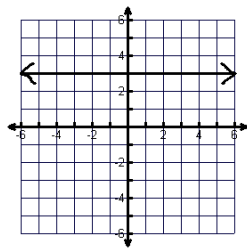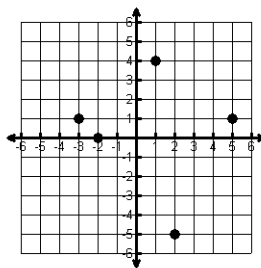

2) Domain_____
   Range_____
   Function?_____

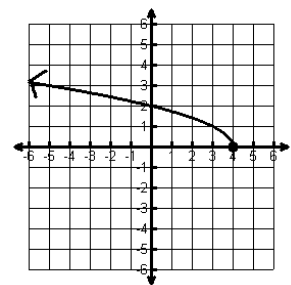3) Domain_____
   Range_____
   Function?_____

4) Domain_____
   Range_____
   Function?_____

5) Domain_____
   Range_____
   Function?_____

6) Domain_____
   Range_____
   Function?_____

7) Domain_____
   Range_____
   Function?_____

8) Domain_____
   Range_____
   Function?_____

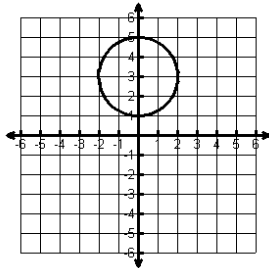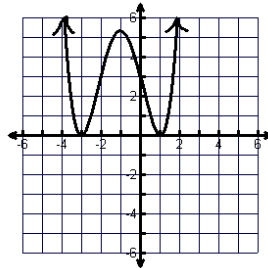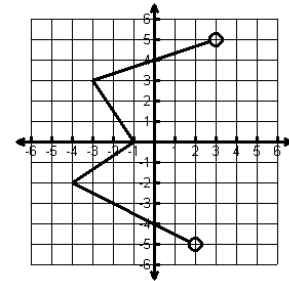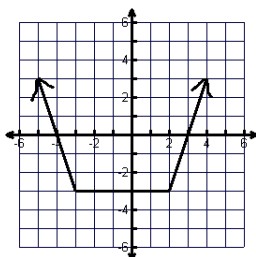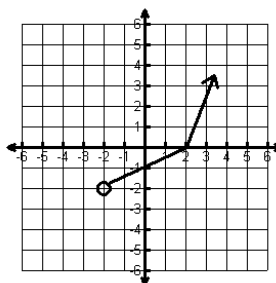9) Domain_____
   Range_____
   Function?_____
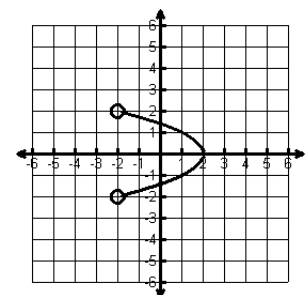

10) Domain_____
    Range_____
    Function?_____

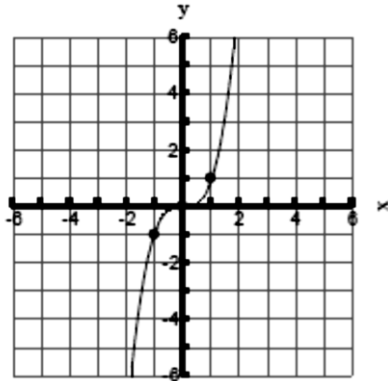11) Domain_____
    Range_____
    Function?_____

12) Domain_____
    Range_____
    Function?_____
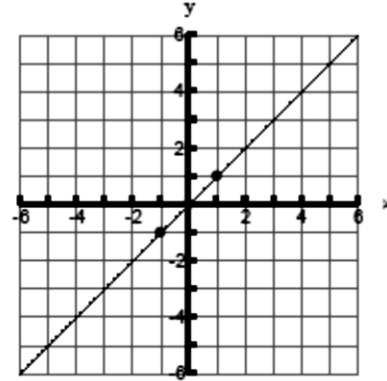
Name the function family that each graph belongs in.
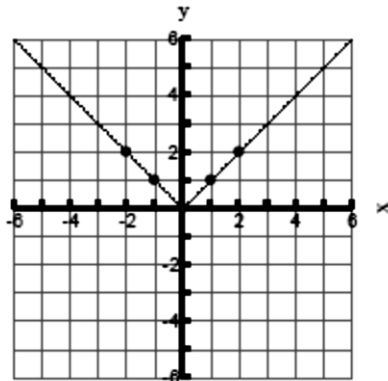
13. _____   14. _____
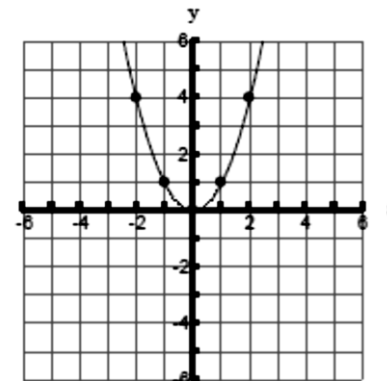

15. _____   16. _____

Write the name of the function family.

17. $g(x) = x^2 - 1$ _____   18. $f(x) = 2|x-1|$ _____

19. $g(x) = x^3 + 3$ _____   20. $f(x) = 2x - 4$ _____

Write an example of an equation represented by the following family of functions.

21. Absolute value _____   22. Cubic _____

23. Linear _____   24. Quadratic _____

Make up a real life example of when each of the following function families are used. Hint: You may use google to find some good examples!

25. Exponential _____
_____
_____

26. Linear _____
_____
_____

27. Quadratic _____
_____
_____