

**Family of Functions Quiz Review:**

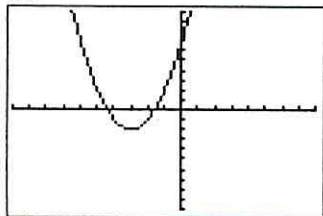
Sketch a graph for each of the following Equations.

1.  $y = -3x^2$
2.  $y = 4|x|$
3.  $y = -2(3)^x$
4.  $y = 3\sqrt[3]{x}$
5.  $y = 2\sqrt{x}$
6.  $y = .25x$
7.  $y = (.9)^x$
8.  $y = 3\log x$
9.  $y = -x^3$

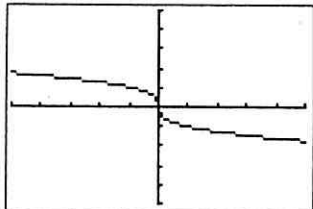
For each of the following graphs:

- a. Find Domain and Range
- b. Describe the interval on which the function is increasing, decreasing or constant.
- c. Find the vertical and horizontal Asymptotes.
- d. Find the x and y intercepts.
- e. Describe the end behavior.
- f. What type of symmetry?

10.



11.



12.

