Algebra II – Family of Functions Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| Function | AWithout looking at the calculator, sketch what you predict the shape of the graph will be.  | BWhat type of function do you predict this is? | CUsing your graphing calculator, graph the function and match the shape of the graph to the function toolbox. List the type of function. |
|  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |  |
|  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |  |
|  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |  |
|  | http://4.bp.blogspot.com/_9VNaIzjiOr0/TO9qRj7FW5I/AAAAAAAAAaA/0qR1Csvc7FI/s1600/X-Y-Axis-Graph.jpg |  |  |

Choose two functions on the toolbox. On the back, write a scenario that would be represented with this type of function.