Families of Functions Rules Activity Continued

From the "Rules" Worksheet record each problem in the table below.

Create the Equation	Sketch the Graph	Identify special characteristics about the graph
1.		
2.		
3.		

Create the Equation	Sketch the Graph	Identify special characteristics about the graph
4.		
5.		
6.		
7.		

Create the Equation	Sketch the Graph	Identify special characteristics about the graph
8.		
9.		
10.		

After you've recorded all of the equations in the table, arrange the graphs into "families". Look for common characteristics and special features to help you make your decisions and make up a name for each family.

Family Name	The graphs that belong to this family are...	The reason they belong to this family is...
1.		
2.		
3.		
4.		
5.		
6.		
7.		