**Introduction to Functions – Part 2 Names**

**Learning Target: I can compare and classify the graphs of functions.**

**Directions:**

1. Cut out each of the four terms below and paste each of them in one of the sections of your 4-square.
2. Sort your cut-out equation/graph squares into groups according to their similarities. Put the graphs that have the same shapes together.
3. Paste each of the equation/graph squares into one of the sections of your 4-square.
4. Answer the following questions.

**Questions**

1. What does a linear function look like? A quadratic function? An absolute value function? An exponential function?
2. Does each graph pass through the origin (0, 0)? Why or why not?
3. What do all of these different types of functions have in common?
4. Explain why each function family has its own unique shape:

Linear:

Quadratic:

Absolute Value:

Exponential:

**Exponential**

**Absolute Value**

**Quadratic**

**Linear**