**Quadratics** – let’s break it down  **6.2-6.3 Part 2**

Look at the table – what kind is it?

 Graph it over here

What shape is this similar to?

We call these \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*\*Here are what **parabolas** have



Vertex: y-intercept:

direction: x-intercepts:

maximum or minimum: axis of symmetry:

Domain: Range:

Function? Discrete or cont?

* Quadratics will always have an exponent of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**If it’s a 2 it’s a U!**

|  |
| --- |
| Vertex: Axis of symmetry: Function?y-intercept: x-intercepts: Domain: Direction: Max or min? Range: Increasing: Decreasing: Disc/Cont  |
| Vertex: Axis of symmetry: Function?y-intercept: x-intercepts: Domain: Direction: Max or min? Range: Increasing: Decreasing: Disc/Cont |
| $$f\left(x\right)=(x-1)(x+3)$$Vertex: Axis of symmetry: Function?y-intercept: x-intercepts: Domain: Direction: Max or min? Range: Increasing: Decreasing: Disc/ContWhat do you notice about the graph vs. the function?  |

**\*Quadratics are always \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and are always \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**