Graphing Review Do-Now

✦1 *Sketch a graph of the quadratic function with intercepts at (-3,0) & (2,0), which also has a minimum value*

✦2 There is a unique quadratic function in the form $f(x) = ax^2 + c$ that satisfies each of the conditions below:

◆ $f(-4) = f(4) = 0$

◆ f attains a maximum value of 9

Sketch a graph of this function.

Choose the correct pieces to complete the observation:

The function f is symmetric about <u>the origin / the x-axis / the y-axis </u>because for every

value of x, $f(-x) = $ <u>-f(x) / f(-x) / f(x)</u>