Algebra II Practice F.BF.B.3: Even and Odd Functions www.jmap.org

NAME:_____

1. How are even and odd functions alike? How are they different?

2. Use a graphing calculator to graph $y = 2x^3$. Tell whether the function is *odd*, *even*, or *neither*. Explain your answer.

Both functions have graphs that are symmetrical. Even functions have the *y*-axis as a line of symmetry. [1] Odd functions have the origin as a point of symmetry.

[2] Odd. The function $y = 2x^3$ has the origin as a point of symmetry.