Algebra 2 & Trigonometry Journal: Polynomial Functions
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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.

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