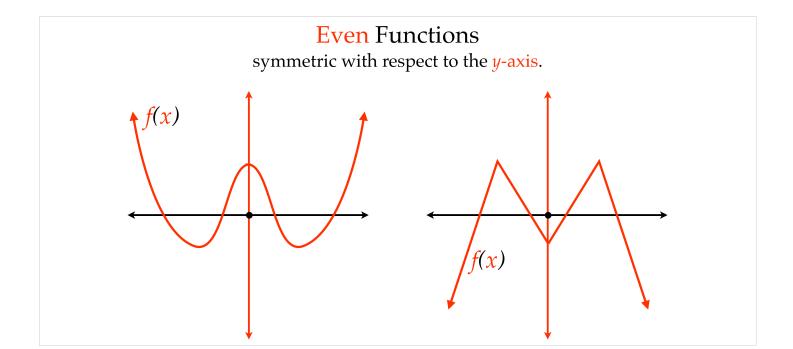
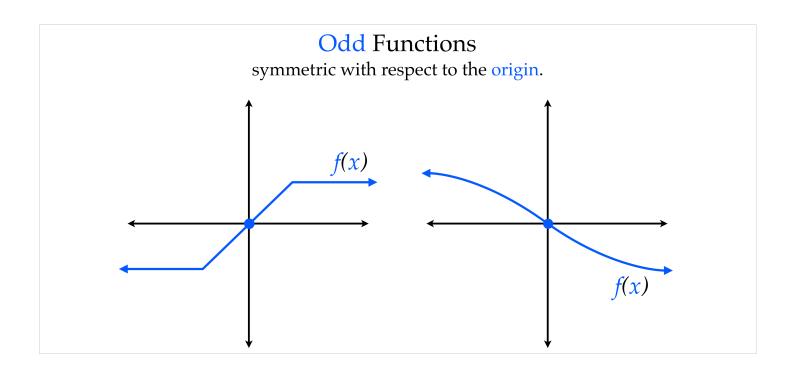
## **Even** and Odd Functions

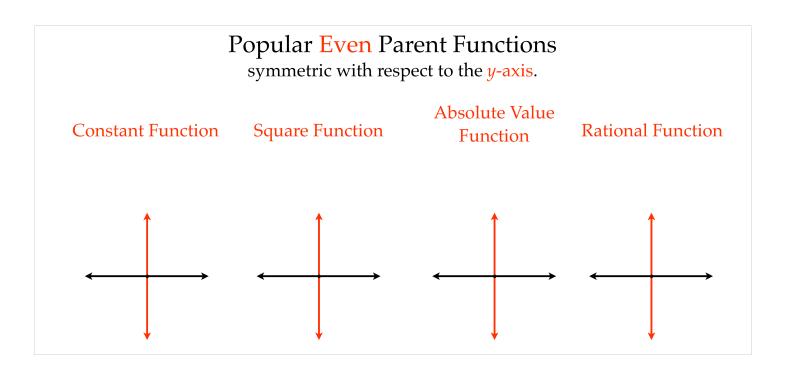
*Even* and *odd* are terms applied to functions to describe the symmetry that exists of the graph of the function.

**Even** Functions

**Odd** Functions







## Popular Odd Parent Functions

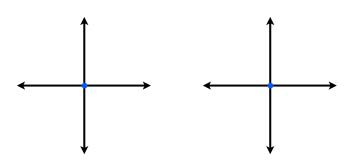
symmetric with respect to the origin.

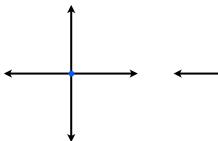
**Identify Function** 

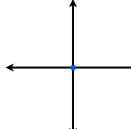
**Cube Function** 

Cube Root Function

**Rational Function** 

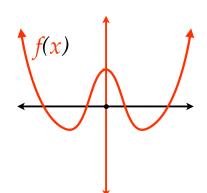






## **Even** Functions

A function is Even if and only if its graph is symmetric with respect to the *y*-axis.



## **Odd** Functions

A function is Odd if and only if its graph is symmetric with respect to the origin.

