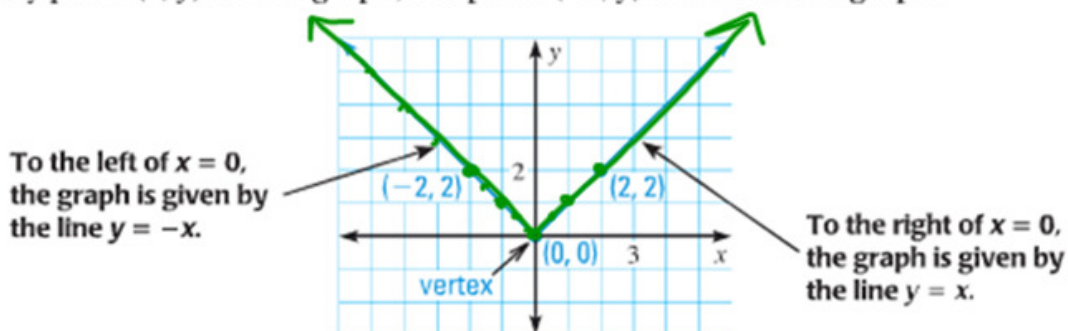


Absolute Value

Parent Function for Absolute Value Functions

The parent function for the family of all absolute value functions is $f(x) = |x|$. The graph of $f(x) = |x|$ is V-shaped and is symmetric about the y -axis. So, for every point (x, y) on the graph, the point $(-x, y)$ is also on the graph.



x	y
-2	2
-1	1
0	0
1	1
2	2



The highest or lowest point on the graph of an absolute value function is called the **vertex**. The vertex of the graph of $f(x) = |x|$ is $(0, 0)$.

