

Parent	function-the simplest function with the defining characteristics of the family. Functions in the same family are transformations of their parent function

1-9	Introdu	ction t	o Parer	nt Func	tions
		Parent	Function	3	
Family	Constant	Linear	Quadratic	Cubic	Square root
Rule	f(x) = c	f(x) = x	$f(x) = x^2$	$f(x) = x^3$	$f(x) = \sqrt{x}$
Graph			${\longleftarrow}$		${\longleftrightarrow}$
Domain	R	R	R	R	$x \ge 0$
Range	<i>y</i> = <i>c</i>	R	$y \ge 0$	R	$y \ge 0$
Intersects y-axis	(0, c)	(0, 0)	(0, 0)	(0, 0)	(0, 0)



Helpful Hint

To make graphs appear accurate on a graphing calculator, use the standard square window. Press **ZOOM**, choose **6:ZStandard**, press **ZOOM** again, and choose **5:ZSquare**.





























