

Function Families Toolkit Continued

Function Family	Parent Function	General Shape	Function Family	Parent Function	General Shape
Linear			Square Root/Radical		
Exponential			Inverse/Rational		
Quadratic			Absolute Value		
Cubic					

General Transformation Rules:

General Rule	How the graph moves	General Rule	How the graph moves
$f(x) + c$		$f(-x)$	
$f(x) - c$		$cf(x)$ when $0 < c < 1$	
$f(x + c)$		$cf(x)$ when $c > 1$	
$f(x - c)$		$f(cx)$ when $0 < c < 1$	
$-f(x)$		$f(cx)$ when $c > 1$	