
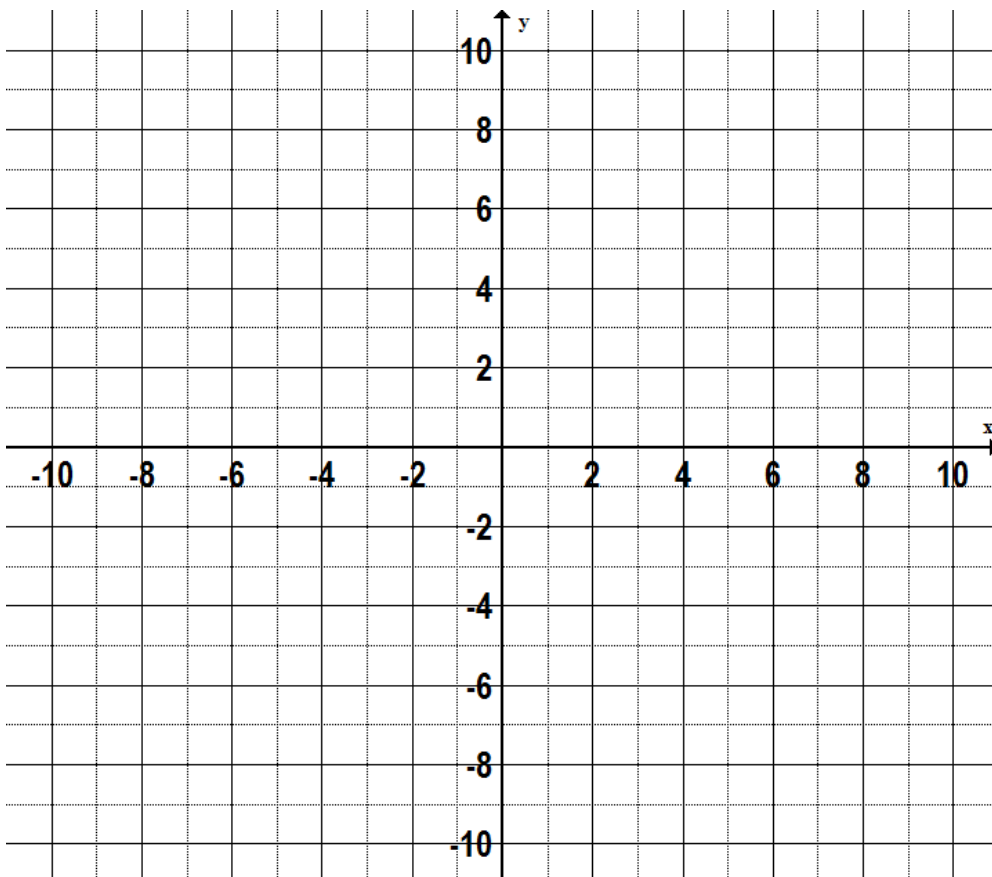


Quadratic Transformations


Complete the table and graph each quadratic function on the axes below.

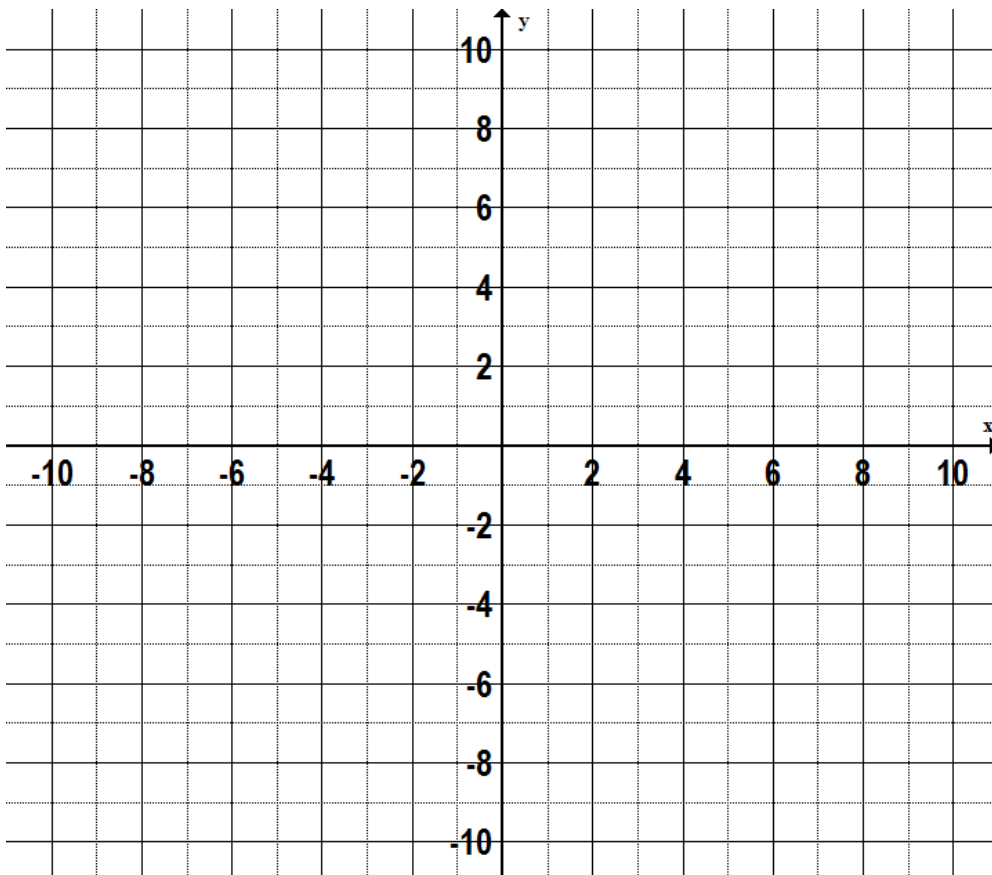
Colour	Function	Transformations
	$f(x) = x^2$	
<input data-bbox="230 474 298 541" type="checkbox"/>	$g_1(x) = 5x^2$	
<input data-bbox="230 604 298 672" type="checkbox"/>	$g_2(x) = 0.25x^2$	
<input data-bbox="230 735 298 802" type="checkbox"/>	$g_3(x) = -x^2$	
<input data-bbox="230 865 298 932" type="checkbox"/>	$g_4(x) = (x + 6)^2$	
<input data-bbox="230 995 298 1062" type="checkbox"/>	$g_5(x) = x^2 - 10$	



Square Root Function Transformations


Complete the table and graph each square root function on the axes below.

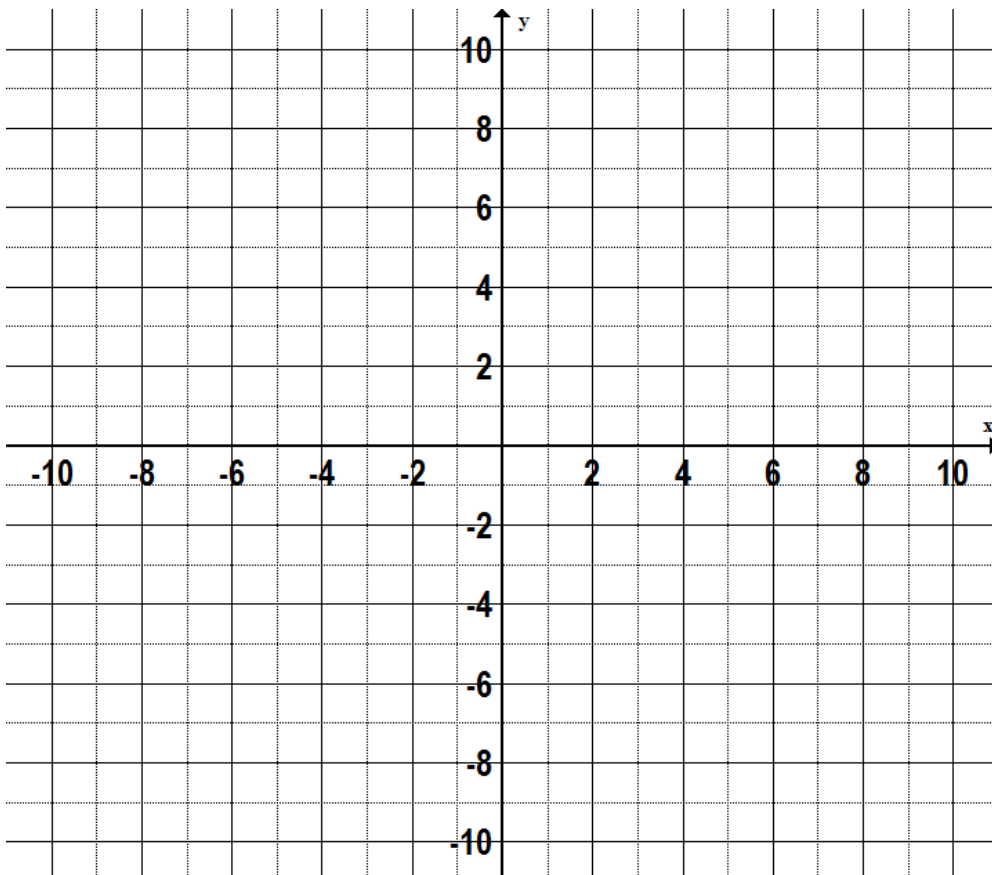
Colour	Function	Transformations
	$f(x) = \sqrt{x}$	
<input type="checkbox"/>	$g_1(x) = 5\sqrt{x}$	
<input type="checkbox"/>	$g_2(x) = 0.25\sqrt{x}$	
<input type="checkbox"/>	$g_3(x) = -\sqrt{x}$	
<input type="checkbox"/>	$g_4(x) = \sqrt{x+6}$	
<input type="checkbox"/>	$g_5(x) = \sqrt{x} - 10$	



Reciprocal Function Transformations







Complete the table and graph each reciprocal function on the axes below.

Colour	Function	Transformations
	$f(x) = \frac{1}{x}$	
<input type="checkbox"/>	$g_1(x) = \frac{5}{x}$	
<input type="checkbox"/>	$g_2(x) = \frac{0.25}{x}$	
<input type="checkbox"/>	$g_3(x) = \frac{-1}{x}$	
<input type="checkbox"/>	$g_4(x) = \frac{1}{x+6}$	
<input type="checkbox"/>	$g_5(x) = \frac{1}{x} - 10$	



Absolute Value Function Transformations

Complete the table and graph each absolute value function on the axes below.

Colour	Function	Transformations
	$f(x) = x $	
	$g_1(x) = 5 x $	
	$g_2(x) = 0.25 x $	
	$g_3(x) = - x $	
	$g_4(x) = x + 6 $	
	$g_5(x) = x - 10$	

