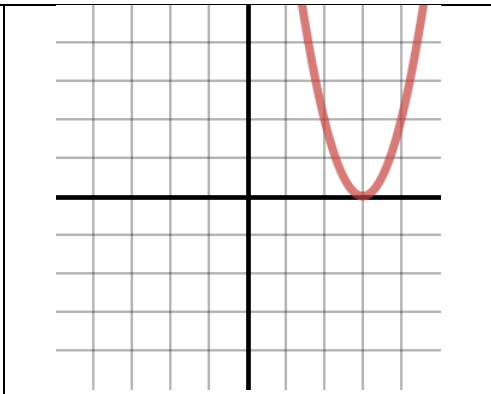
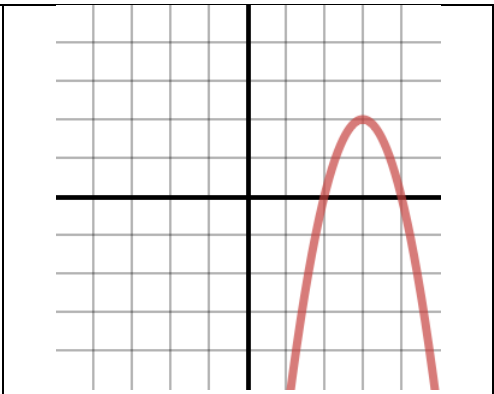


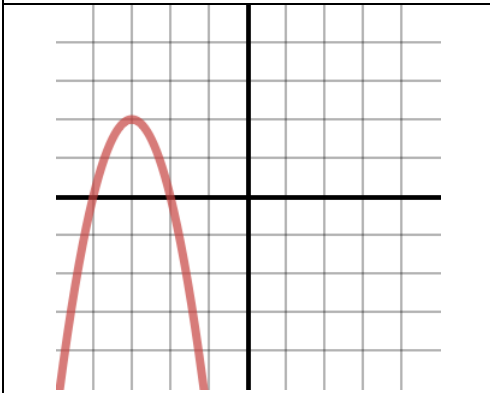
Graph 1



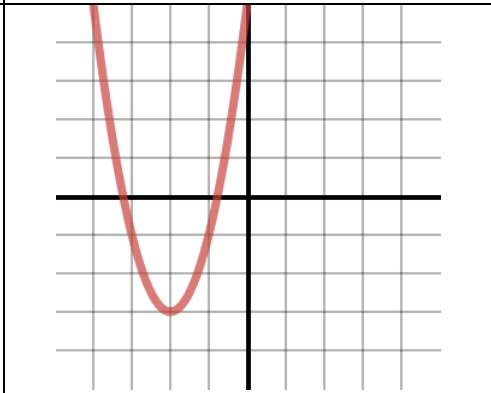
Graph 2



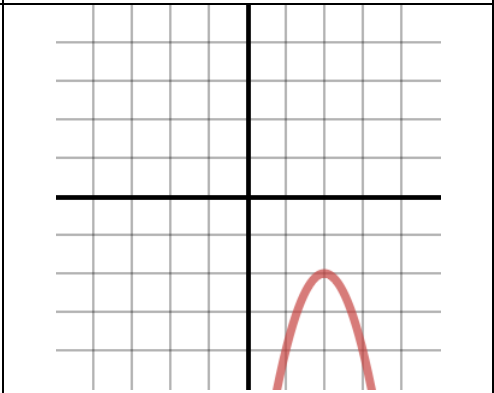
Graph 3



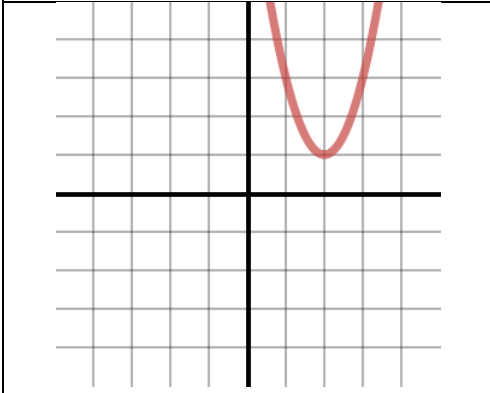
Graph 4



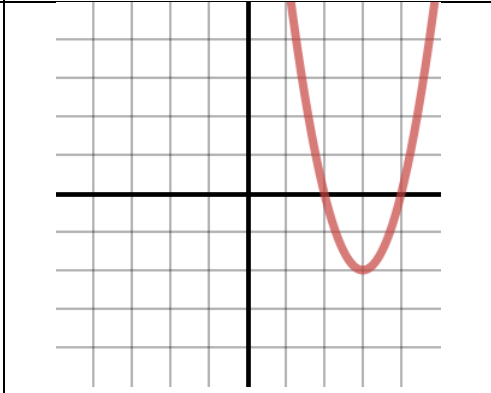
Graph 5



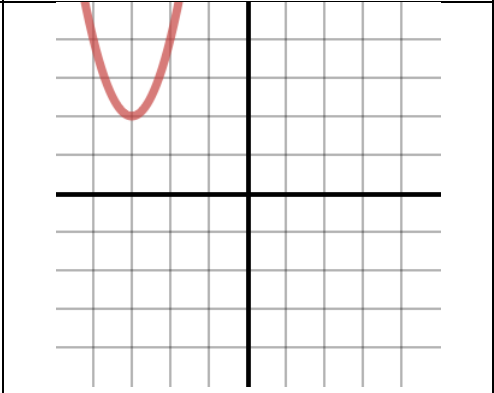
Graph 6



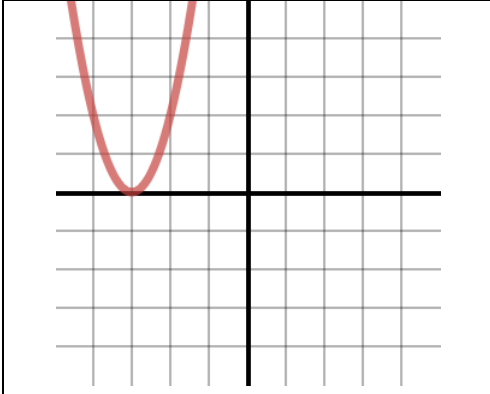
Graph 7



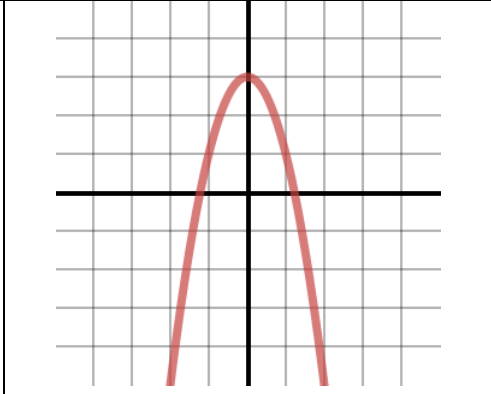
Graph 8



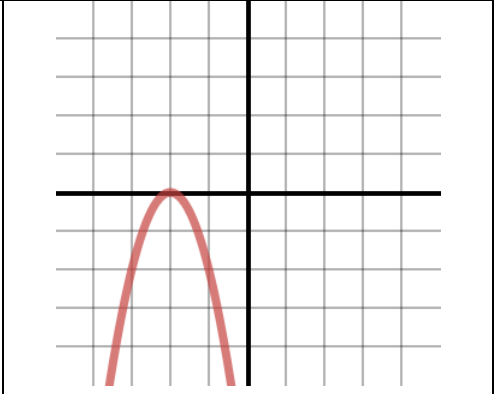
Graph 9



Graph 10



Graph 11



Graph 12

$y = x^2$	$y = x^2 - 6x + 9$	$y = -x^2 + 6x - 7$
$y = -x^2 - 6x - 7$	$y = x^2 + 4x + 1$	$y = -x^2 + 4x - 6$
$y = x^2 - 4x + 5$	$y = x^2 - 6x + 7$	$y = x^2 + 6x + 11$
$y = x^2 + 6x + 9$	$y = -x^2 + 3$	$y = -x^2 - 4x - 4$

$(0,0)$  Vertex	$(3,0)$  Vertex	$(3,2)$  Vertex
$(-3,2)$  Vertex	$(-2,-3)$  Vertex	$(2,-2)$  Vertex
$(2,1)$  Vertex	$(3,-2)$  Vertex	$(-3,2)$  Vertex
$(-3,0)$  Vertex	$(0,3)$  Vertex	$(-2,0)$  Vertex

Opens Up	Opens Up	Opens Down
Opens Down	Opens Up	Opens Down
Opens Up	Opens Up	Opens Up
Opens Up	Opens Down	Opens Down

$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain
$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain
$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain
$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain	$(-\infty, \infty)$  Domain

$[0, \infty)$	$[0, \infty)$	$(-\infty, 2]$
Range	Range	Range
$(-\infty, 2]$	$[-3, \infty)$	$(-\infty, -2]$
Range	Range	Range
$[1, \infty)$	$[-2, \infty)$	$[2, \infty)$
Range	Range	Range
$[0, \infty)$	$(-\infty, 3]$	$(-\infty, 0]$
Range	Range	Range

$x = 0$  Axis of Symmetry	$x = 3$  Axis of Symmetry	$x = 3$  Axis of Symmetry
$x = -3$  Axis of Symmetry	$x = -2$  Axis of Symmetry	$x = 2$  Axis of Symmetry
$x = 2$  Axis of Symmetry	$x = 3$  Axis of Symmetry	$x = -3$  Axis of Symmetry
$x = -3$  Axis of Symmetry	$x = 0$  Axis of Symmetry	$x = -2$  Axis of Symmetry

$(0,0)$  y-intercept	$(0,9)$  y-intercept	$(0,-7)$  y-intercept
$(0,-7)$  y-intercept	$(0,1)$  y-intercept	$(0,-6)$  y-intercept
$(0,5)$  y-intercept	$(0,7)$  y-intercept	$(0,11)$  y-intercept
$(0,9)$  y-intercept	$(0,3)$  y-intercept	$(0,-4)$  y-intercept

$(0,0)$  1 x-intercept	$(3,0)$  1 x-intercept	$(1.6,0)$ and $(4.4,0)$  2 x-intercepts
$(-1.6,0)$ and $(-4.4,0)$  2 x-intercepts	$(-0.3,0)$ and $(-3.7,0)$  2 x-intercepts	<i>None</i>  0 x-intercepts
<i>None</i>  0 x-intercepts	$(1.6,0)$ and $(4.4,0)$  2 x-intercepts	<i>None</i>  0 x-intercepts
$(-3,0)$  1 x-intercept	$(-1.7,0)$ and $(1.7,0)$  2 x-intercepts	$(-2,0)$  1 x-intercept

