

c) $y = -\frac{1}{4}(x-4)^2 - 2$ $p = \underline{4}  q = \underline{-2}  a = \underline{-4}$		$\frac{d}{d} f(x) = 2(x+2)^2$ $p = \underline{-2}  q = \underline{0}  a = \underline{0}$	
Coordinates of the vertex	(4, -2)	Coordinates of the vertex	(-2,0)
Axis of symmetry	$\chi = 4$	Axis of symmetry	$\chi = -2$
Opening	gown	Opening	up
Range	Y4-2	Range	y >0
Domain	XER	Domain	XER
# of x-intercepts	$\bigcirc$	# of x-intercepts	(



3. Determine the equation of a Quadratic Function in Vertex Form from its graph.



5. Determine a quadratic function in vertex form that has the following characteristics: vertex at (0,-3) and passes through the point (5,-4).

