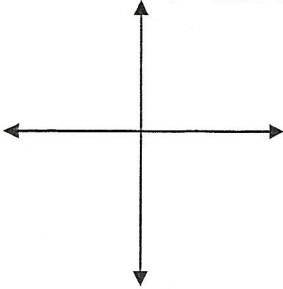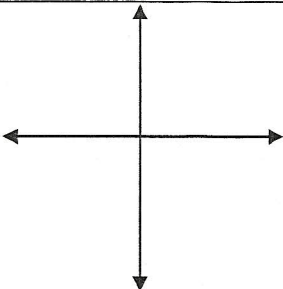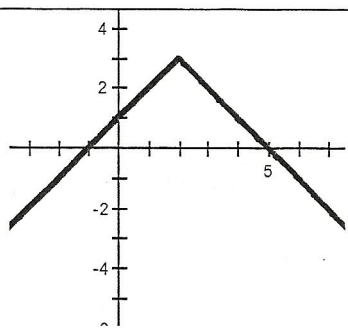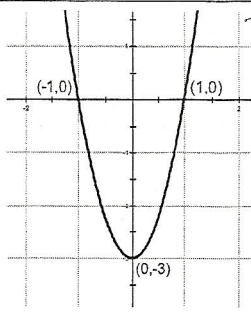| Equation of Parent Function	Description of Transformation	Equation of Transformed Function	Graph of Transformed Function (in red)	Domain and Range of Transformed Function
$f(x) = \sqrt{x}$				Domain $(-\infty, 3]$ Range $[2, \infty)$
		$f(x) = -(x-2)^2 - 4$		
	A rational function has been translated up 4 units and 3 units to the right.			