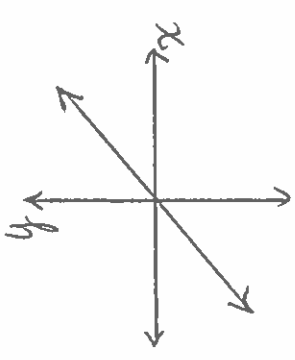
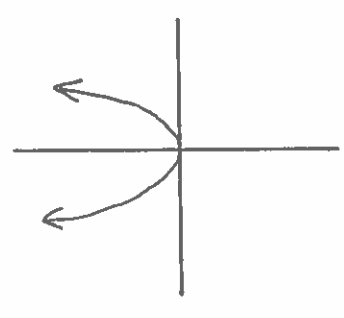
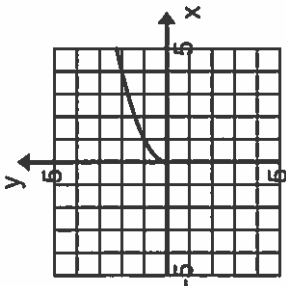
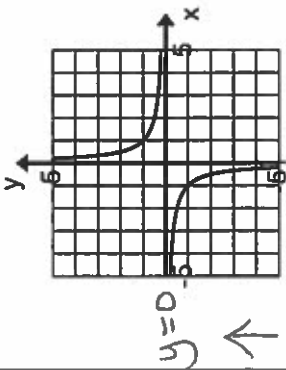
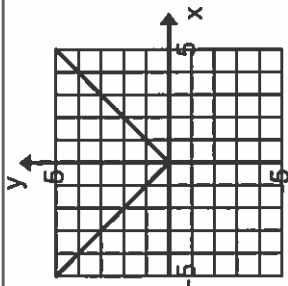


Equation of Function	Name of Function	Sketch of Graph	Special Features/ Symmetry	Domain	Range
$f(x) = x$	linear function (line)		(symmetric about the origin) • odd symmetry $f(-x) = -f(x)$	$\{x \in \mathbb{R}\}$	$\{y \in \mathbb{R}\}$
$f(x) = x^2$	quadratic function (parabola)		$f(-x) = f(x)$ symmetric about the y-axis • y-axis (even symmetry)	$\{x \in \mathbb{R}\}$	$\{y \geq 0\}$

$f(x) = \sqrt{x}$	root function		$f(-x)$ DNE · no symmetry	$\{x \geq 0\}$	$\{y \geq 0\}$
$f(x) = \frac{1}{x}$	reciprocal function asymptotes $\rightarrow x=0$		$f(-x) = -f(x)$ · odd symmetry (symmetric about the origin)	$\{x \neq 0\}$	$\{y \neq 0\}$
$f(x) = x $	absolute value function		$f(-x) = f(x)$ · even symmetry (symmetric about y-axis)	$\{x \in \mathbb{R}\}$	$\{y \geq 0\}$