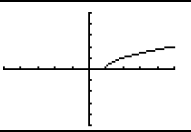
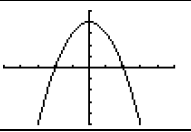
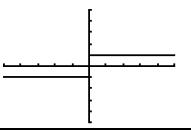
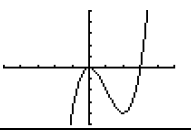
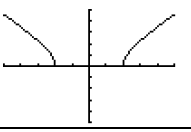
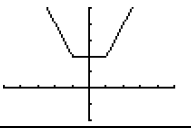
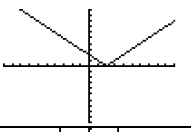
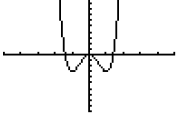


Mrs. Barnhart

Complete the chart.

Function	Rough Sketch	Increasing Interval	Decreasing Interval	Constant Interval	Domain	Range	Even or Odd	Relative mins and/or maxs
$f(x) = \sqrt{x-1}$		$(1, \infty)$	N/A	N/A	$[1, \infty)$	$[0, \infty)$	Neither	N/A
$f(x) = 4 - x^2$		$(-\infty, 0)$	$(0, \infty)$	N/A	$(-\infty, \infty)$	$(-\infty, 4]$	Even	$(0, 4)$
$f(x) = \frac{ x }{x}$		N/A	N/A	$(-\infty, 0) \cup (0, \infty)$	$x \neq 0$	$[-1] \cup [1]$	Odd	N/A
$f(x) = x^3 - 3x^2$		$(-\infty, 0) \cup (2, \infty)$	$(0, 2)$	N/A	$(-\infty, \infty)$	$(-\infty, \infty)$	Neither	$(2, 4); (0, 0)$
$f(x) = \sqrt{x^2 - 4}$		$(2, \infty)$	$(-\infty, -2)$	N/A	$(-\infty, -2] \cup [2, \infty)$	$[0, \infty)$	Even	N/A
$f(x) = x+1 + x-1 $		$(1, \infty)$	$(-\infty, -1)$	$[-1, 1]$	$(-\infty, \infty)$	$[2, \infty)$	Even	N/A
$f(x) = x-2 $		$(2, \infty)$	$(-\infty, 2)$	N/A	$(-\infty, \infty)$	$[0, \infty)$	Neither	$(2, 0)$
$f(x) = 3x^4 - 6x^2$		$(-1, 0) \cup (1, \infty)$	$(-\infty, -1) \cup (0, 1)$	N/A	$(-\infty, \infty)$	$[-3, \infty)$	Even	$(-1, -3), (1, -3); (0, 0)$