

Student name: \_\_\_\_\_

## NO CALCULATORS FOR THIS QUIZ!

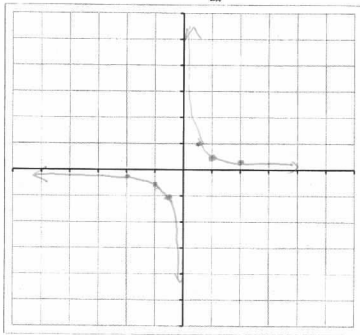
1. If one starts with the graph of  $y = \sqrt{x}$ , and
- a. Shifts the graph up by 2 units, what is the equation of the new graph?

Add 2 to  $f(x)$   $y = \sqrt{x} + 2$

- b. Shifts the original graph left 3 units, what is the equation of the new graph?

Add 3 to  $x$   $y = \sqrt{x+3}$

2. Please sketch the graph of  $h(x) = \frac{1}{2x}$ . Label at least 4 points on the graph.



$x$	$h(x)$
1	$\frac{1}{2}$
2	$\frac{1}{4}$
$\frac{1}{2}$	1
-1	$-\frac{1}{2}$
-2	$-\frac{1}{4}$
$-\frac{1}{2}$	-1
0	no