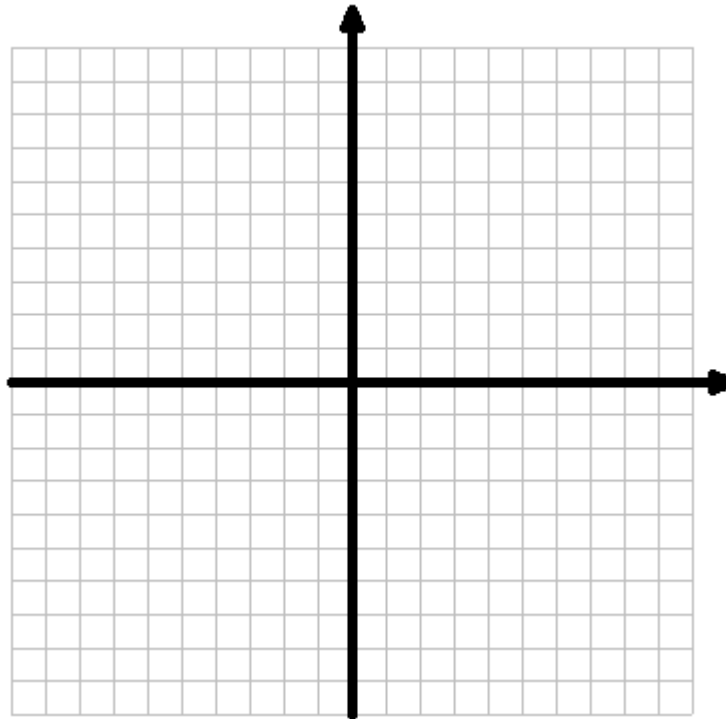


Graphic Organizer #1: LINEAR FUNCTIONS

Parent Function: $f(x) = x$

$f(x) = x$	
x	$f(x)$
-6	
-4	
-2	
0	
2	
4	
6	



Describe:

Domain

Zeros (x-intercepts)

Maximum (max)

Range

y-intercept

Minimum (min)

Intervals of Increase

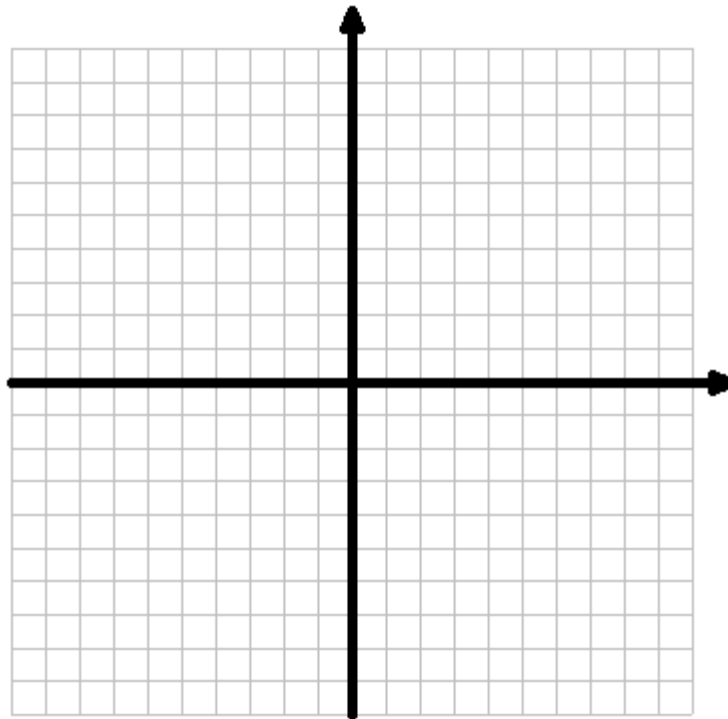
Intervals of Decrease

End Behavior

Graphic Organizer #2: ABSOLUTE VALUE FUNCTIONS

Parent Function: $f(x) = |x|$

$f(x) = x $	
x	$f(x)$
-6	
-4	
-2	
0	
2	
4	
6	



Describe:

Domain

Zeros (x-intercepts)

Maximum (max)

Range

y-intercept

Minimum (min)

Intervals of Increase

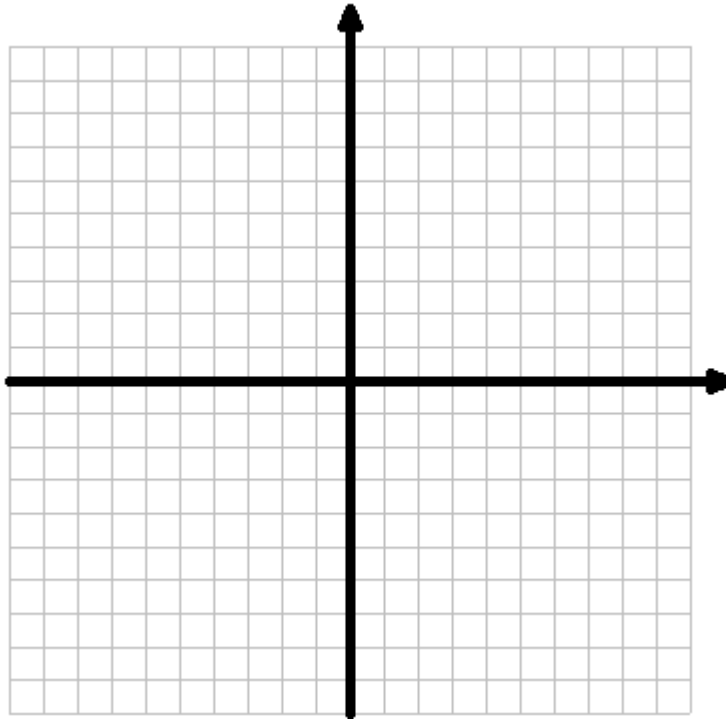
Intervals of Decrease

End Behavior

Graphic Organizer #3: QUADRATIC FUNCTIONS

Parent Function: $f(x) = x^2$

$f(x) = x^2$	
x	$f(x)$
-3	
-2	
-1	
0	
1	
2	
3	



Describe:

Domain

Zeros (x-intercepts)

Maximum (max)

Range

y-intercept

Minimum (min)

Intervals of Increase

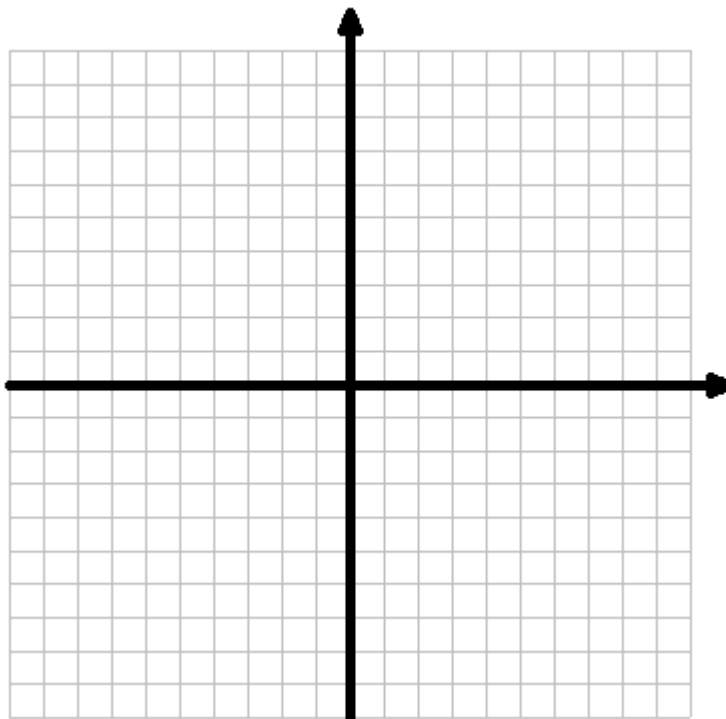
Intervals of Decrease

End Behavior

Graphic Organizer #4: CUBIC FUNCTIONS

Parent Function: $f(x) = x^3$

$f(x) = x^3$	
x	$f(x)$
-3	
-2	
-1	
0	
1	
2	
3	



Describe:

Domain

Zeros (x-intercepts)

Maximum (max)

Range

y-intercept

Minimum (min)

Intervals of Increase

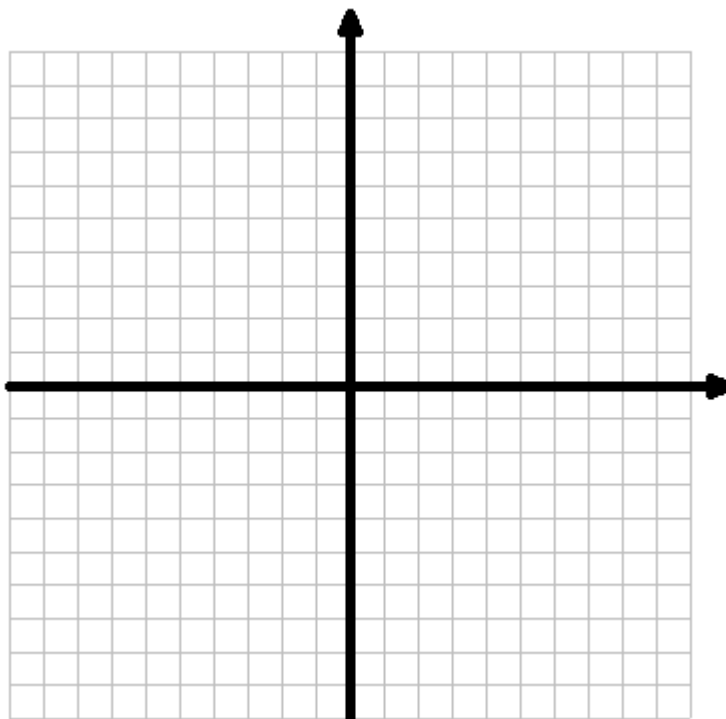
Intervals of Decrease

End Behavior

Graphic Organizer #5: SQUARE ROOT FUNCTIONS

Parent Function: $f(x) = \sqrt{x}$

$f(x) = \sqrt{x}$	
x	$f(x)$
-9	*
-4	*
-1	*
0	
1	
4	
9	



Describe:

Domain

Zeros (x-intercepts)

Maximum (max)

Range

y-intercept

Minimum (min)

Intervals of Increase

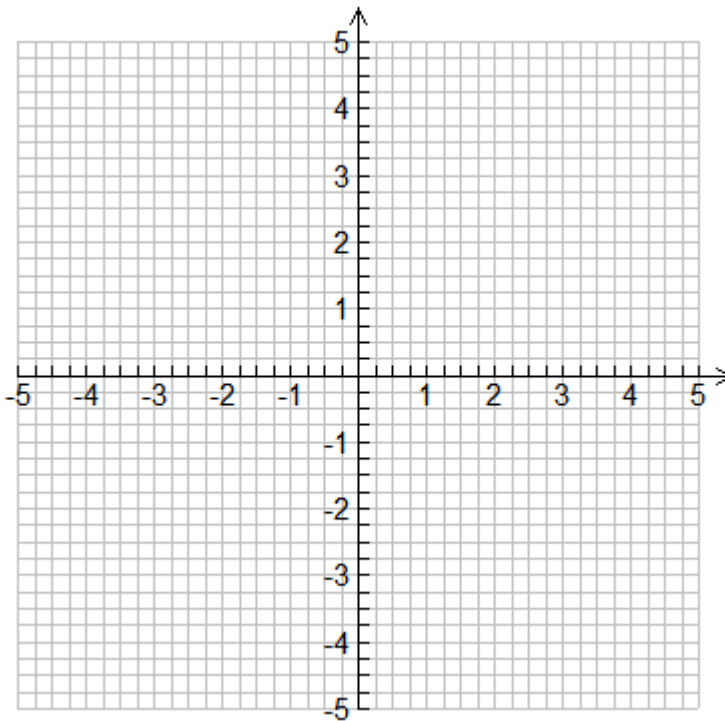
Intervals of Decrease

End Behavior

Graphic Organizer #6: RATIONAL FUNCTIONS

Parent Function: $f(x) = \frac{1}{x}$

$f(x) = \frac{1}{x}$	
x	$f(x)$
-4	
-2	
-1	
$-\frac{1}{2}$	
$-\frac{1}{4}$	
0	
$\frac{1}{4}$	
$\frac{1}{2}$	
1	
2	
4	



Describe:

Domain

Zeros (x-intercepts)

Maximum (max)

Range

y-intercept

Minimum (min)

Intervals of Increase

Intervals of Decrease

End Behavior