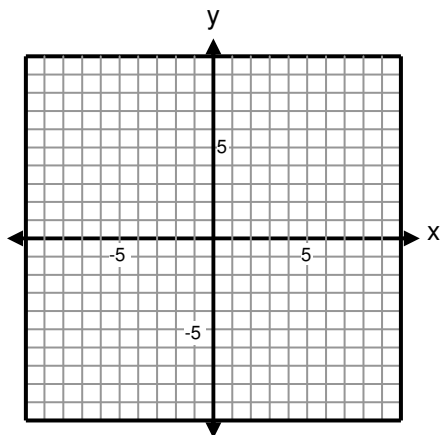


## Graphing Functions

For each function, complete the table of values, sketch the graph, and state the domain and range.

Linear  $y = x$

x	y
-3	
-2	
-1	
0	
1	
2	
3	

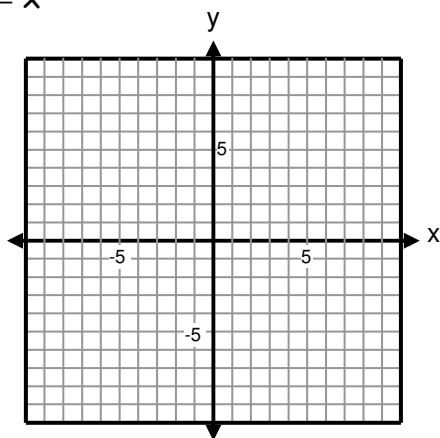


Domain:

Range:

Quadratic  $y = x^2$

x	y
-3	
-2	
-1	
0	
1	
2	
3	

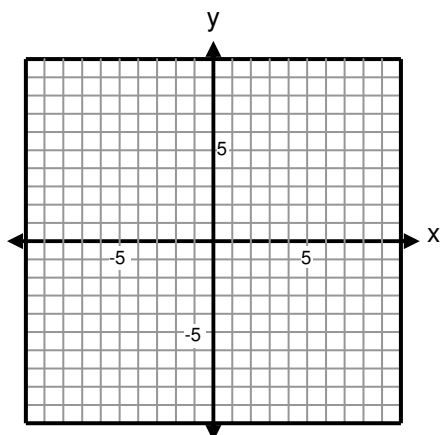


Domain:

Range:

Cubic  $y = x^3$

x	y
-2	
-1	
0	
1	
2	

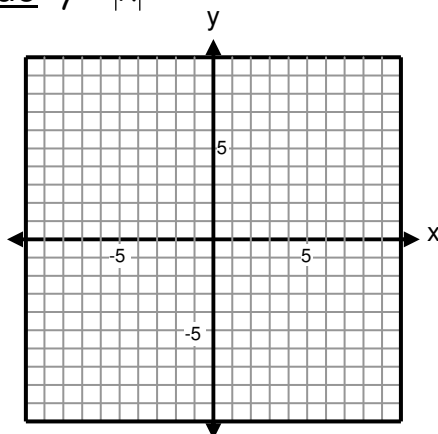


Domain:

Range:

Absolute-Value  $y = |x|$

x	y
-3	
-2	
-1	
0	
1	
2	
3	

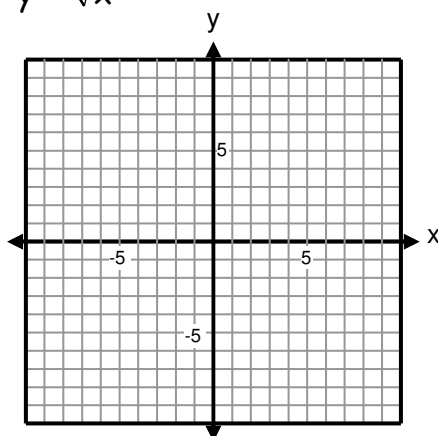


Domain:

Range:

Square-Root  $y = \sqrt{x}$

x	y
-9	
-4	
-1	
0	
1	
4	
9	

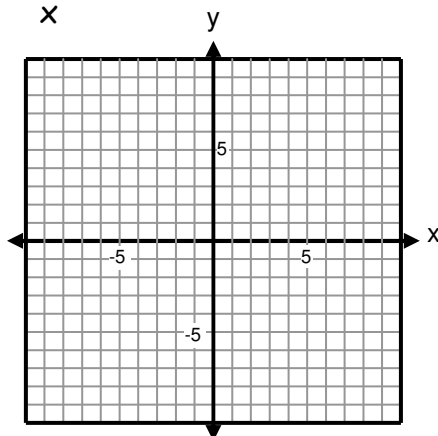


Domain:

Range:

Reciprocal  $y = \frac{1}{x}$

x	y
-10	
-4	
-2	
-1	
-1/2	
-1/4	
-1/10	
0	
1/10	
1/4	
1/2	
1	
4	
10	

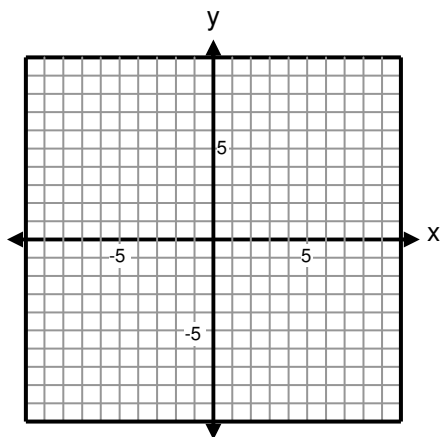


Domain:

Range:

Semi-Circle (I)  $y = \sqrt{25 - x^2}$

x	y
-10	
-5	
-3	
-1	
0	
1	
3	
5	
10	

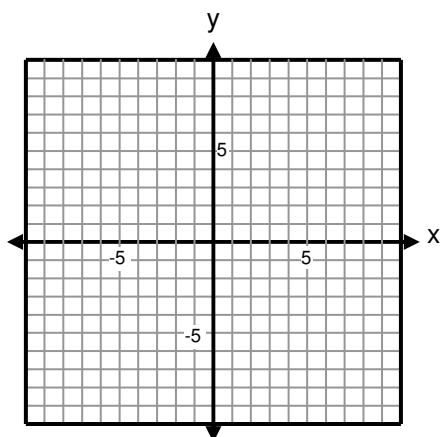


Domain:

Range:

Semi-Circle (II)  $y = -\sqrt{25 - x^2}$

x	y
-10	
-5	
-3	
-1	
0	
1	
3	
5	
10	



Domain:

Range:

