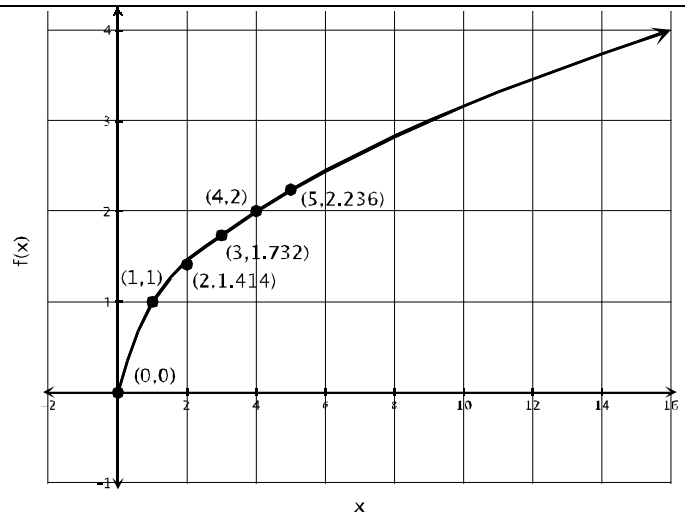


Function	Table	Graph																
Linear $f(x)= x$	<table><tr><th>x</th><th>f(x)</th></tr><tr><td>-3</td><td>-3</td></tr><tr><td>-2</td><td>-2</td></tr><tr><td>-1</td><td>-1</td></tr><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>2</td></tr><tr><td>3</td><td>3</td></tr></table>	x	f(x)	-3	-3	-2	-2	-1	-1	0	0	1	1	2	2	3	3	
x	f(x)																	
-3	-3																	
-2	-2																	
-1	-1																	
0	0																	
1	1																	
2	2																	
3	3																	
Quadratic $f(x)= x^2$	<table><tr><th>x</th><th>f(x)</th></tr><tr><td>-3</td><td>9</td></tr><tr><td>-2</td><td>4</td></tr><tr><td>-1</td><td>1</td></tr><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>4</td></tr><tr><td>3</td><td>9</td></tr></table>	x	f(x)	-3	9	-2	4	-1	1	0	0	1	1	2	4	3	9	
x	f(x)																	
-3	9																	
-2	4																	
-1	1																	
0	0																	
1	1																	
2	4																	
3	9																	
Cubic $f(x)= x^3$	<table><tr><th>x</th><th>f(x)</th></tr><tr><td>-2</td><td>-8</td></tr><tr><td>-1</td><td>-1</td></tr><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>8</td></tr></table>	x	f(x)	-2	-8	-1	-1	0	0	1	1	2	8					
x	f(x)																	
-2	-8																	
-1	-1																	
0	0																	
1	1																	
2	8																	

Square Root

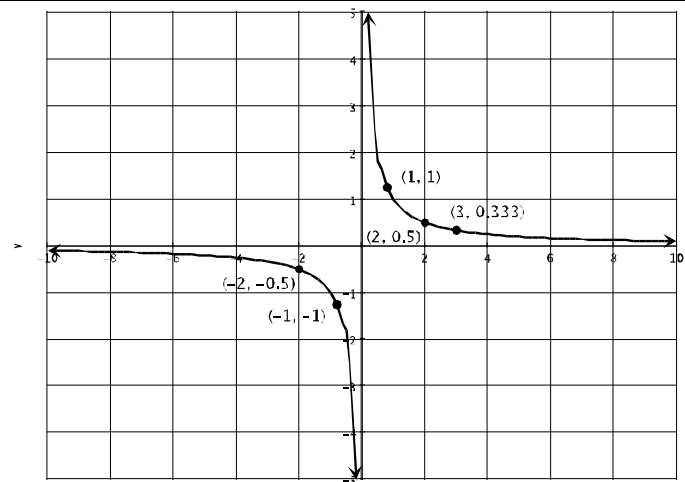
$$f(x) = \sqrt{x}$$

x	f(x)
0	0
1	1
2	1.414
3	1.732
4	2
5	2.236

**Reciprocal**

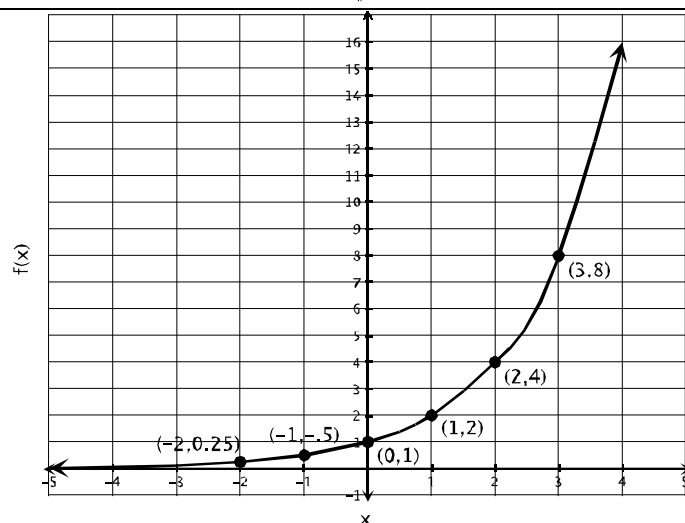
$$f(x) = \frac{1}{x}$$

x	f(x)
-2	-0.5
-1	-1
0	undefined
1	1
2	0.5
3	0.333

**Exponential (increasing)**

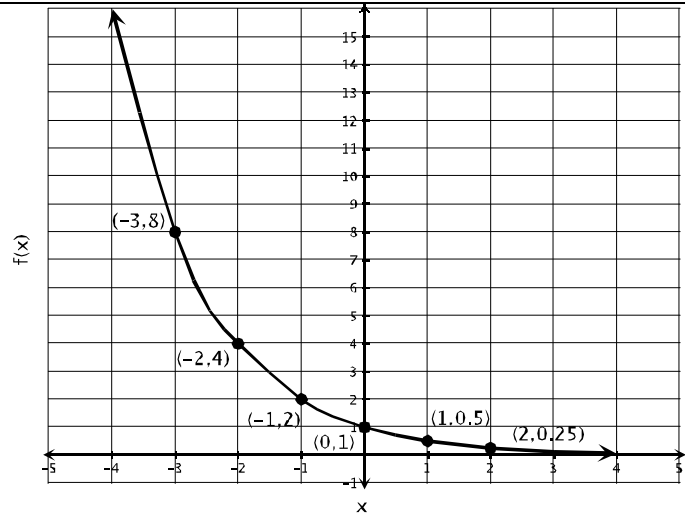
$$f(x) = 2^x$$

x	f(x)
-2	0.25
-1	0.5
0	1
1	2
2	4
3	8



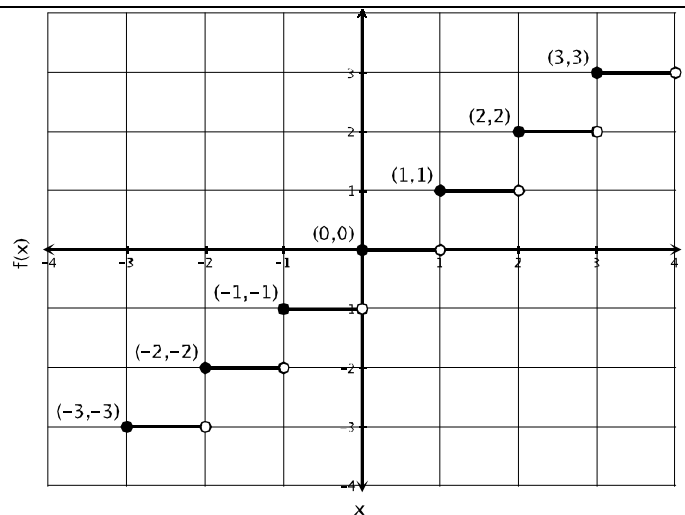
**Exponential
(decreasing)**
 $f(x) = 0.5^x$

x	f(x)
-3	8
-2	4
-1	2
0	1
1	0.5
2	0.25



Step (floor)
 $f(x) = \lfloor x \rfloor$

x	f(x)
-3	-3
-2	-2
-1	-1
0	0
1	1
2	2
3	3



Absolute Value
 $f(x) = |x|$

x	f(x)
-3	3
-2	2
-1	1
0	0
1	1
2	2
3	3

