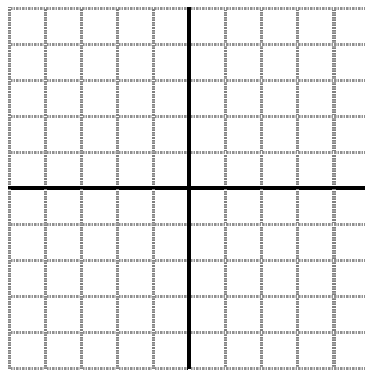


Math 173 – Section 2.4: Translations and Reflections

Translations

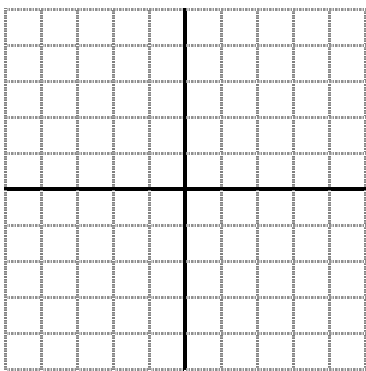
Sketch the graph of $f(x) = x^2$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



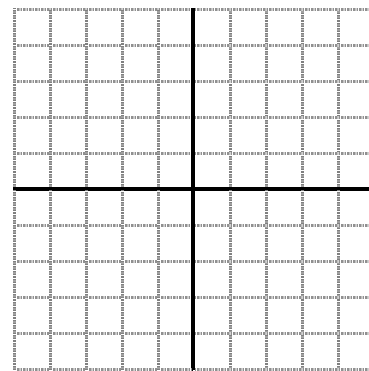
Sketch the graph of $f(x) = x^2 + 2$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



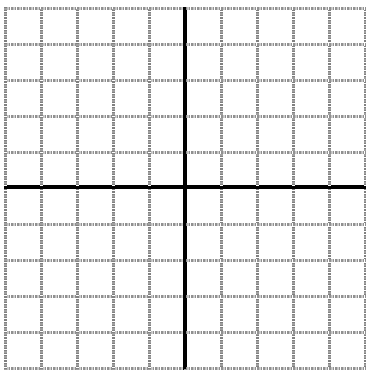
Sketch the graph of $f(x) = x^2 - 2$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



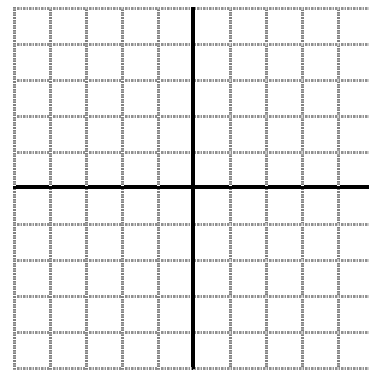
Sketch the graph of $f(x) = (x+1)^2$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



Sketch the graph of $f(x) = (x-1)^2$.

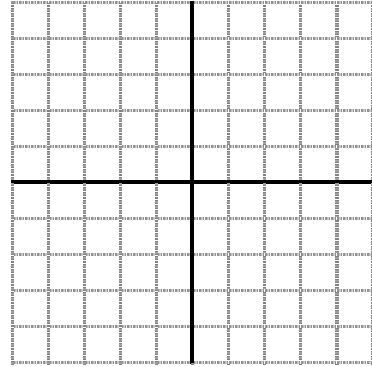
x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



Reflections

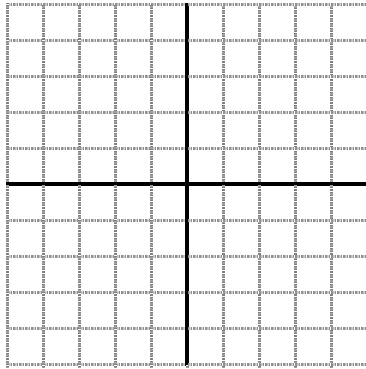
Sketch the graph of $f(x) = \sqrt{x}$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



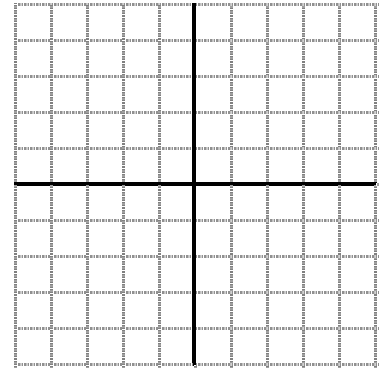
Sketch the graph of $f(x) = -\sqrt{x}$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



Sketch the graph of $f(x) = \sqrt{-x}$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



Sketch the graph of $f(x) = -\sqrt{-x}$.

x	y
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	

