

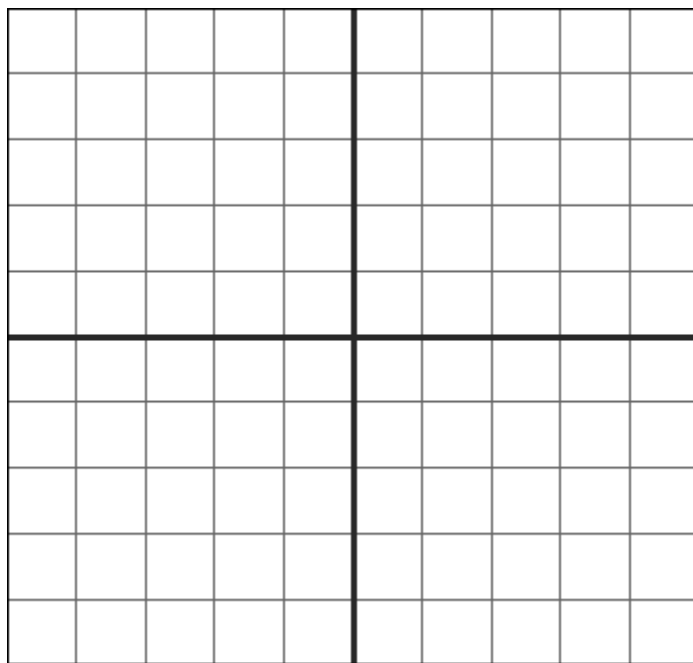
Precalculus 115, section 2.2 (Intro to) Graphs

notes by Tim Pilachowski

Example A: Graph the function $f(x) = x^2 - 1$ by making a table of values. Label all intercepts.

First task: What is the domain?

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

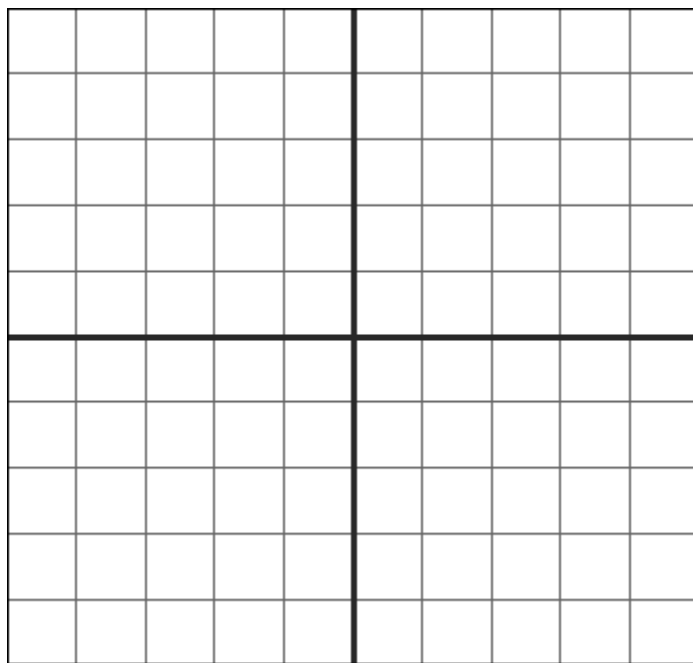


Last task: What is the range?

Example B: Graph the function $g(x) = \sqrt{1-x}$ by making a table of values. Label all intercepts.

First task: What is the domain?

x	$f(x)$
-4	
-3	
-2	
-1	
0	
1	

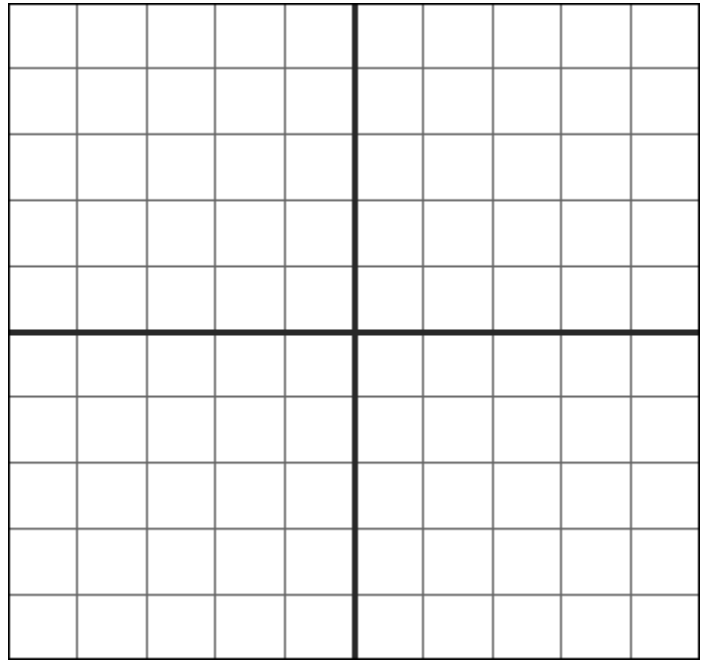


Last task: What is the range?

Example G: Graph the function $h(x) = |1 - x|$ by making a table of values. Label all intercepts.

First task: What is the domain?

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



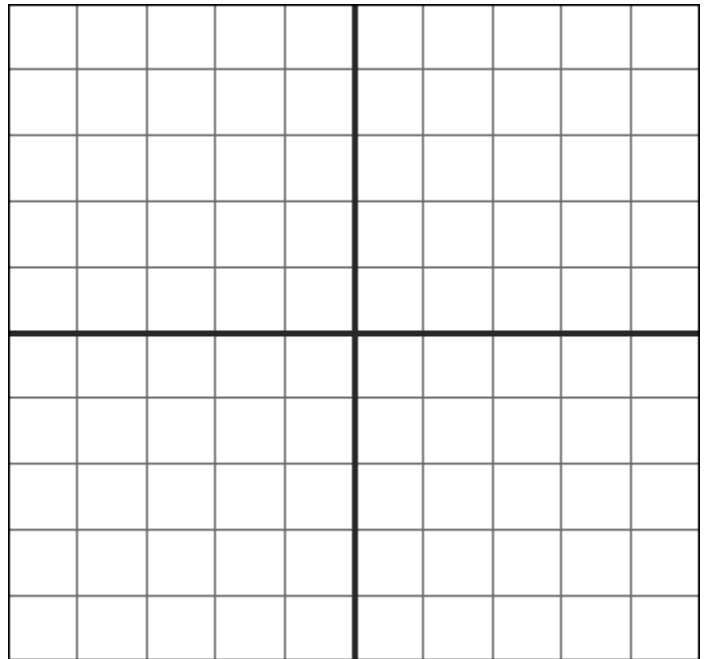
Last task: What is the range?

Example H: Graph the piecewise function m by making a table of values. Label all intercepts.

$$m(x) = \begin{cases} 3 & \text{if } x \leq -1 \\ x + 3 & \text{if } -1 < x < 2 \\ 7 - x & \text{if } x \geq 2 \end{cases}$$

First task: What is the domain?

x	$f(x)$
-2	
-1	
0	
1	
2	
3	
4	



Last task: What is the range?