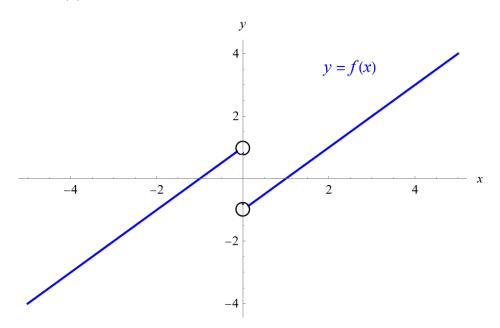
## Exercise 40

For the following exercises, sketch a graph of the piecewise function. Write the domain in interval notation.

$f(x) = \left\{ \begin{array}{c} \\ \end{array} \right.$	x+1	$ \text{if} \ x < 0$
	x-1	if  x > 0

## Solution

Below is a plot of f(x) versus x.



The domain is  $(-\infty, 0) \cup (0, \infty)$ .