

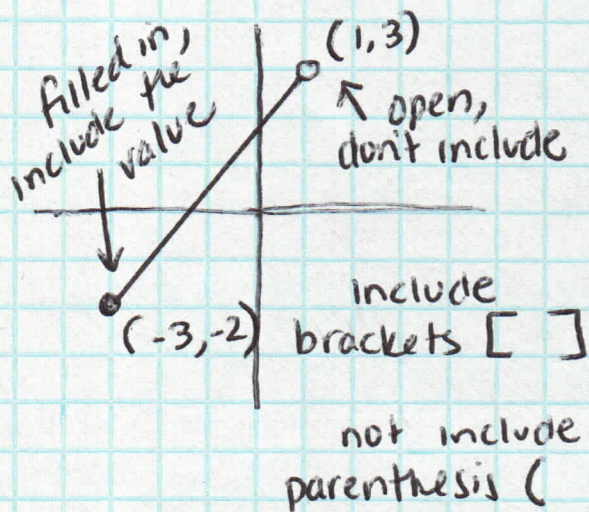
Functions

Function: a rule for a relationship between an input (x) and an output (y) or $f(x)$.

- the set of x -values or inputs of a function are called the domain

- the set of y -values or outputs of a function are called the range

Determine the domain + range of the function below



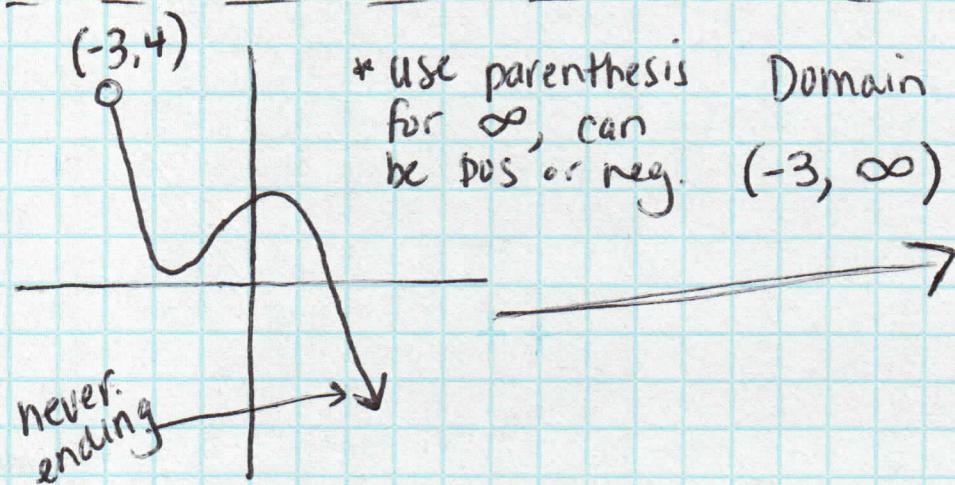
Domain + Range in Interval Notation

Domain
(left \rightarrow right)

Range
(low \rightarrow high)

$[-3, 1)$

$[-2, 3)$



Domain
 $(-3, \infty)$

Range
 $(-\infty, 4)$

Domain
 $(-\infty, 3]$

Range
 $(-\infty, 3]$

