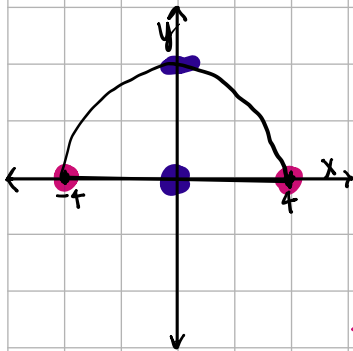


Domain - the set of all possible values for x that work in the function

Range - the set of all possible values for y that work in the function



Domain

↳ the x values in the function
(all the x values that the curve graph passes through)

↳ the graph goes from -4 to 4

$[-4, 4]$

Range

↳ All the y values the graph passes through

↳ the lowest point on the graph is 0 and the highest point is 4

$[0, 4]$

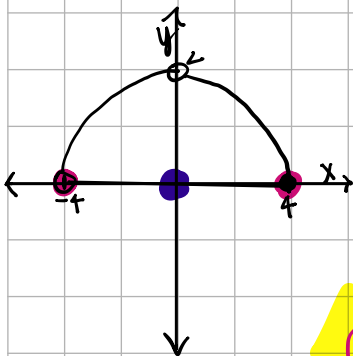
○ open circle means the value is not included

Tip

Remember

Bracket " $[$ " means the value is included in the graph

Parenthesis " $)$ " means the value isn't included in the graph



Domain

↳ Since the -4 has an open circle, the graph is showing that -4 is not part of the graph

↳ same with 0

So
 $(-4, 0) \cup (0, 4]$

this is basically
and

↳ Verbally this is saying that values between -4 to 0 and 0 to 4 (included) are possible x values

Range

↳ Since there is an open circle at 4 :

$[0, 4)$