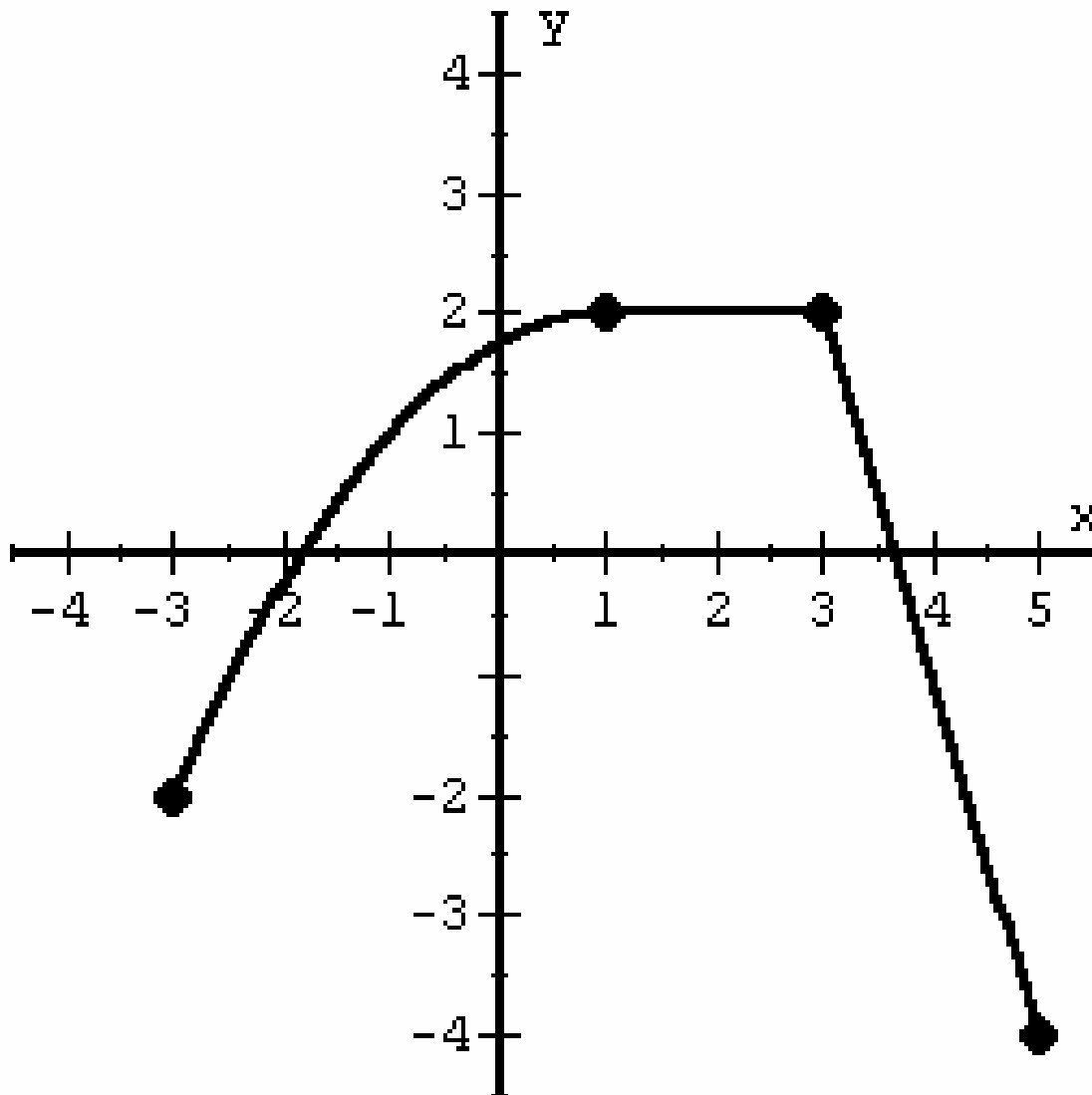


## Increasing / Decreasing / Constant Functions



Is this the Graph of a Function?

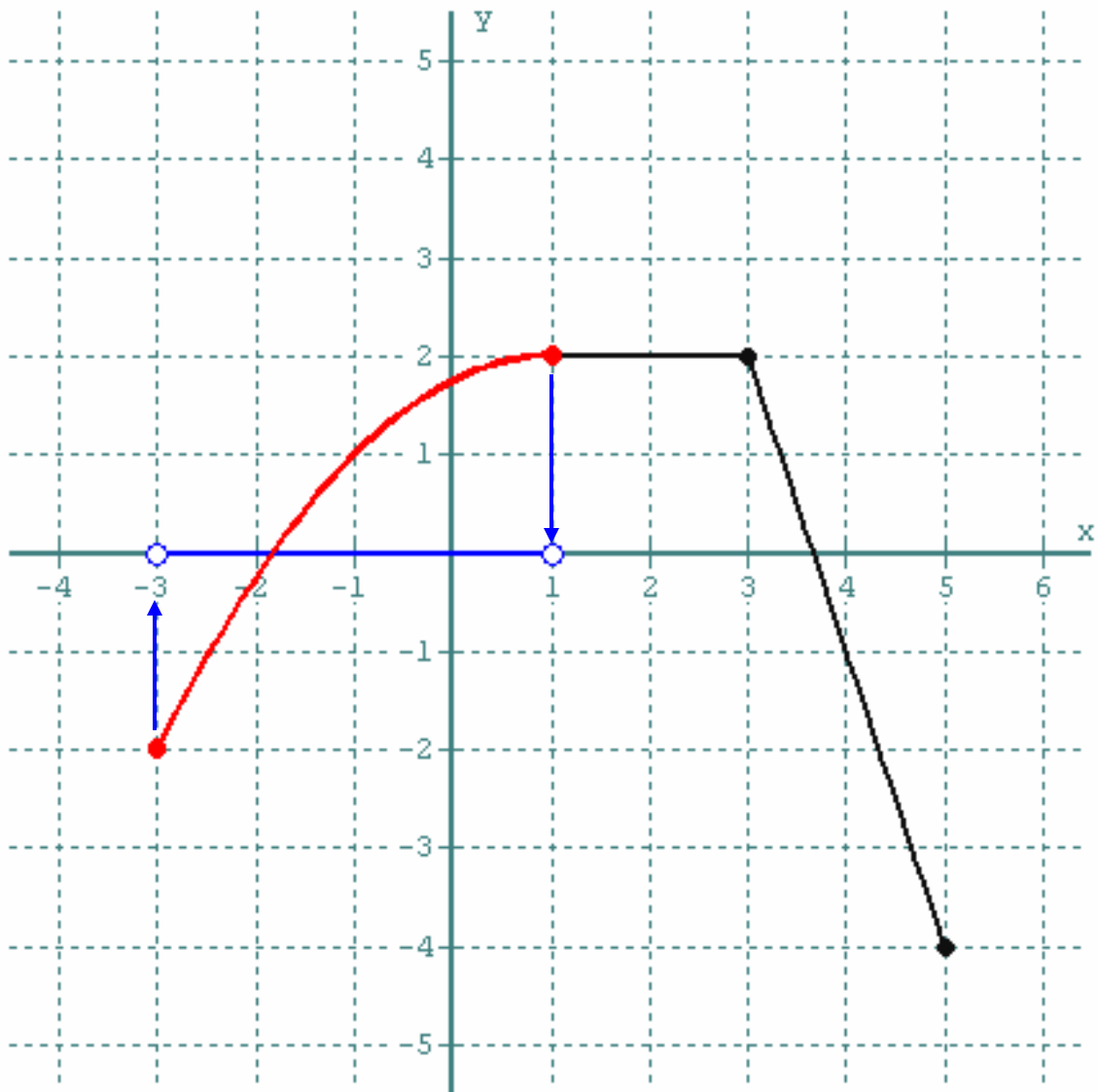
State the Domain.

State the Range.

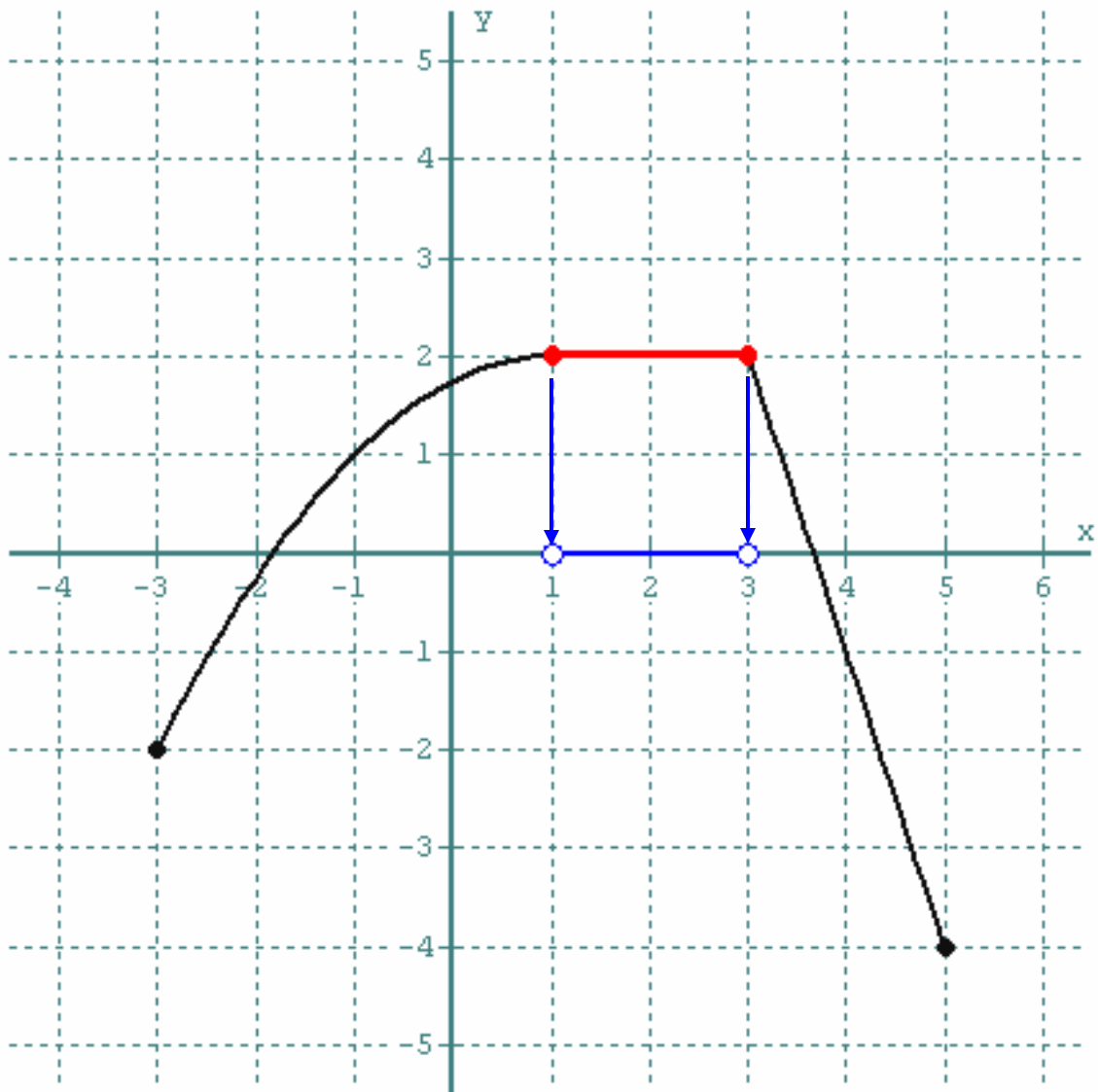
Where is  $y = f(x)$  Increasing?

Where is  $y = f(x)$  Decreasing?

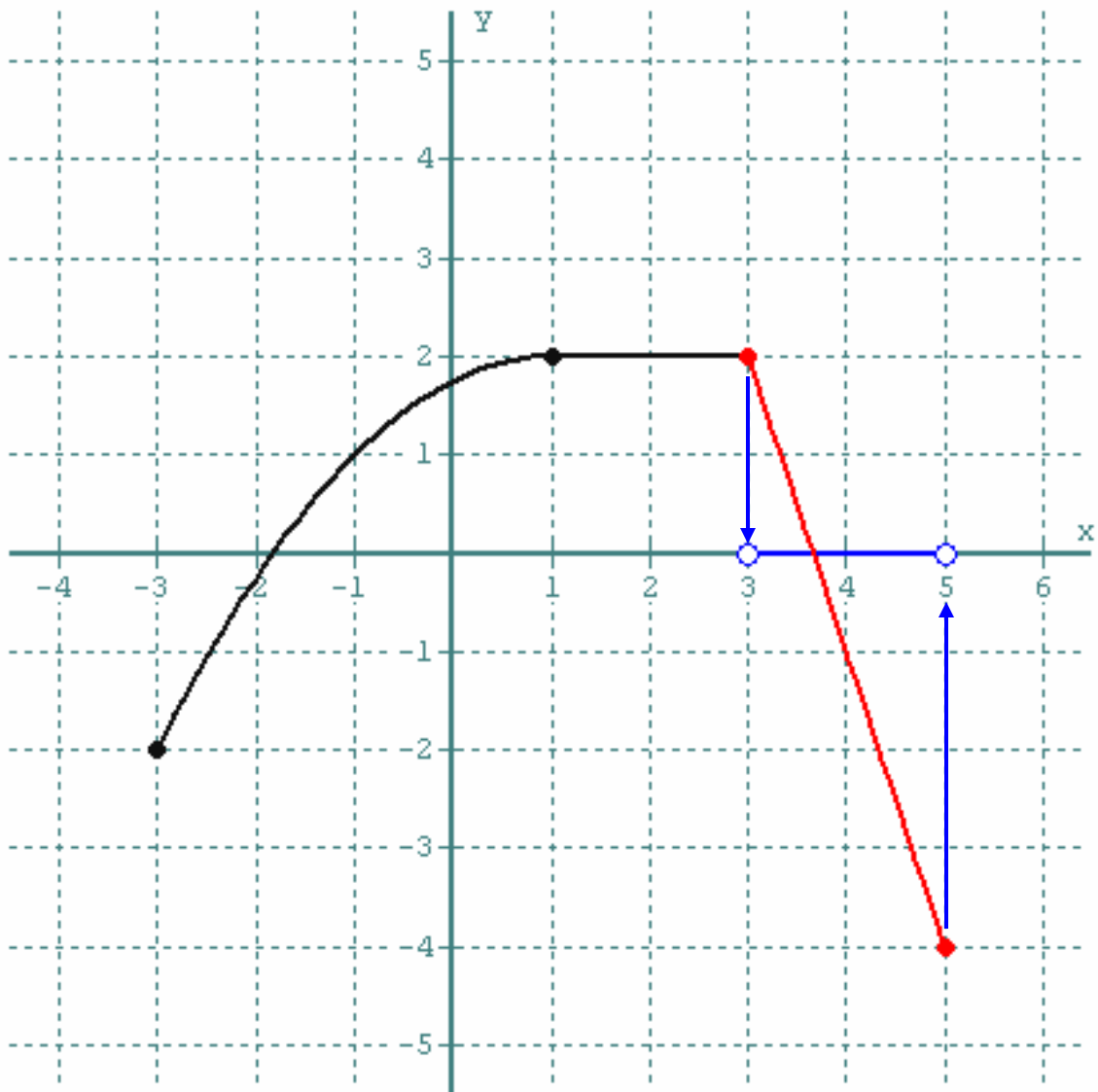
Where is  $y = f(x)$  Constant?



$f$  is **Increasing** on  $(-3, 1)$

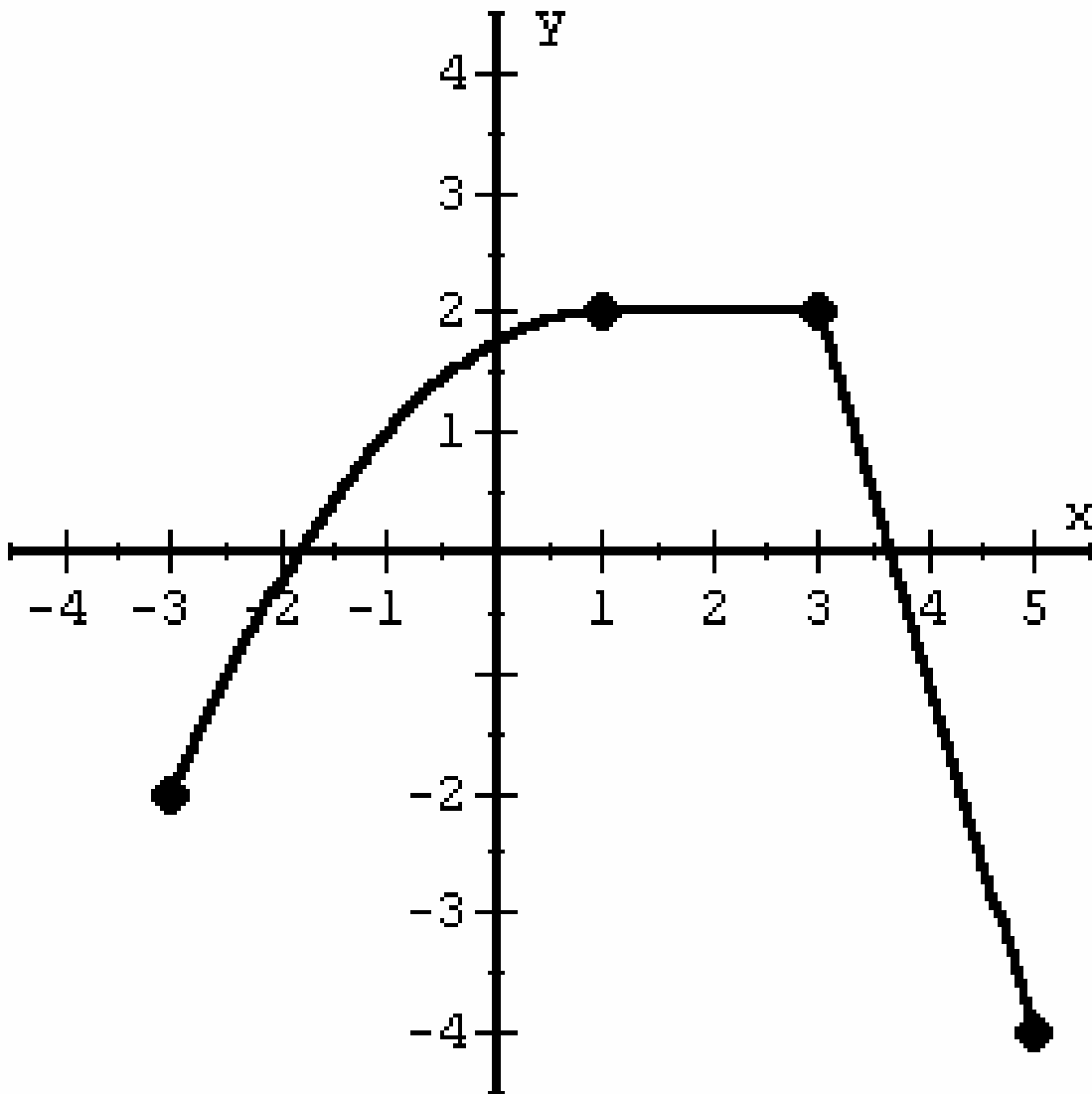


$f$  is **Constant** on  $(1, 3)$



$f$  is **Decreasing** on  $(3, 5)$

## Increasing / Decreasing / Constant Functions



Function? Yes

Domain:  $x \in [-3, 5]$

Range:  $y \in [-4, 2]$

$f$  is increasing on  $(-3, 1)$

$f$  is constant on  $(1, 3)$

$f$  is decreasing on  $(3, 5)$