

# Functions

The domain is what  $x$  can be

The range is what  $y$  can be

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## Inverse Functions

$$f^{-1}(x)$$

To find an inverse function:

1. Switch  $x$  and  $y$
2. Rearrange to make  $y$  the subject

On a graph it is a reflection in the line  $y = x$

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## Composite Functions

$$f(g(x))$$

$f(g(x))$  means put  $g$  into  $f$

$g(f(x))$  means put  $f$  into  $g$