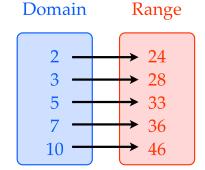
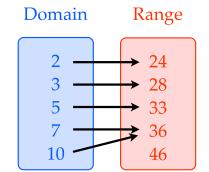
Date \_\_\_\_\_ Period \_\_\_\_

Function f(x) is said to be one-to-one if for every unique x value there exists and unique f(x) value.

For every value in the domain, there exists a unique value in the range.

## Mapping





Function f(x) is said to be one-to-one if for every unique x value there exists and unique f(x) value.

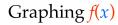
For every value in the domain, there exists a unique value in the range.

## Ordered Pairs

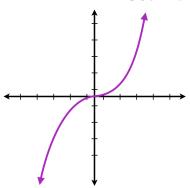
$$(-3,4), (-1,2), (0,-3), (2,-5), (4,-7)$$
  $(-2,4), (0,2), (1,-3), (3,4), (5,-7)$ 

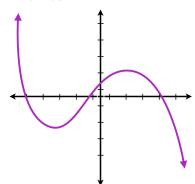
Function f(x) is said to be one-to-one if for every unique x value there exists and unique f(x) value.

For every value in the domain, there exists a unique value in the range.



Use Horizontal Line Test



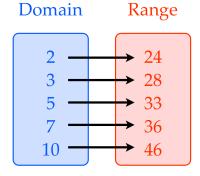


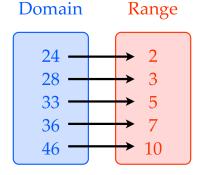
Function f(x) is said to be one-to-one if for every unique x value there exists and unique f(x) value.

For every value in the domain, there exists a unique value in the range.

If a function is one-to-one, then its inverse is also a function.

## Mapping





Function f(x) is said to be one-to-one if for every unique x value there exists and unique f(x) value.

For every value in the domain, there exists a unique value in the range.

If a function is one-to-one, then its inverse is also a function.

## **Ordered Pairs**

$$(-3,4), (-1,2), (0,-3), (2,-5), (4,-7)$$
  $(4,-3), (2,-1), (-3,0), (-5,2), (-7,4)$ 

Function f(x) is said to be one-to-one if for every unique x value there exists and unique f(x) value.

For every value in the domain, there exists a unique value in the range.

If a function is one-to-one, then its inverse is also a function.