

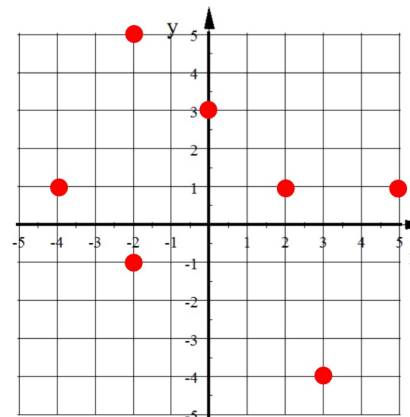
Know what these mean and know other names commonly used in their place.

Domain vs. Range

X
input
independent

Y
output
Dependent

State the Domain and Range of this relation:

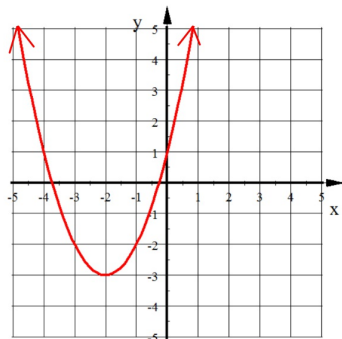


State Domain and Range in numerical order without repeating.

Domain: $-4, -2, 0, 2, 3, 5$

Range: $-4, 1, 3, 5$

State the Domain and Range of this relation:



Domain: \mathbb{R}

graph goes left and right forever
and there are no missing x-values
in the middle

Range: $y \geq -3$

graph starts at -3 and goes up
forever.

Interval Notation

Starting value , ending value

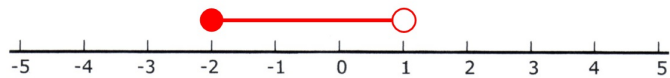
This end has either

[used if left end is a closed circle
or
(used if left end is an open circle
or an arrow to the left

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] used if left end is a closed circle
or
) used if left end is an open circle
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Inequality Notation vs. Interval Notation



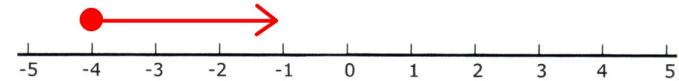
Inequality Notation

$$-2 \leq x < 1$$

Interval Notation

$$[-2, 1)$$

Inequality Notation vs. Interval Notation



Inequality Notation

$$x \geq -4$$

Interval Notation

$$[-4, \infty)$$