

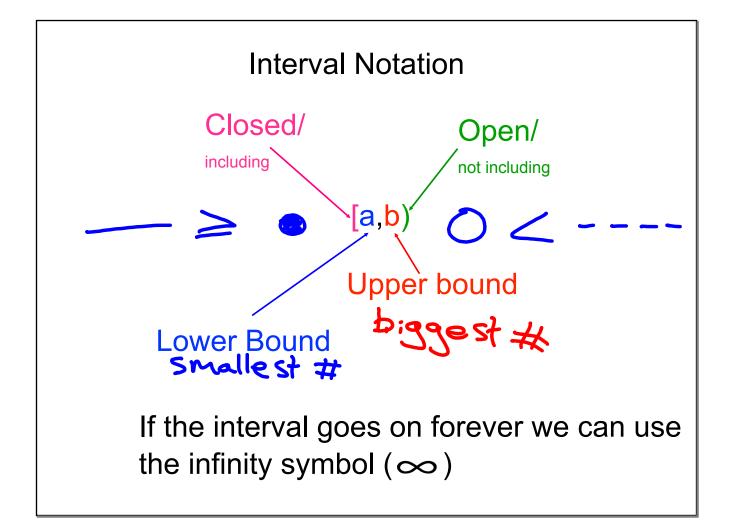
6-2 Domain and Range

Function: when each domain value is paired with only one range value (no repeating x's)

· graphically: passes the vertical line test

I can identify the domain or x values of a function.

I can identify the range or y values of a function.



Set Notation

Set Notation is used to represent a group of values (elements)

2 ways to use set notation: .

1. {list each element in the set}

examples: (3,7),(4,2)(-5,15)

Who are the students sitting in your row?

D: E3, 4, -5} R: {7, 2, 15}

What are the shoe sizes of the students in your row?

2. {variable being defined | variable description}

means "such that"

Example: $\{x \mid x \ge 5\}$

Use this when your set is too large to list!

Examples:

How much money can a person earn in a lifetime?

All numbers less than 7.

Domain & Range

Domain: The set of all inputs

"the set of all x-values" (when applicable)

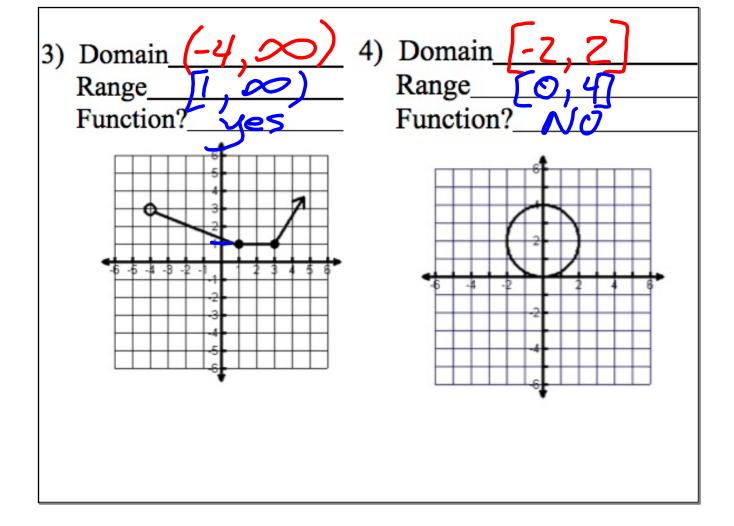
"independent variable"

Range: The set of all outputs

"the set of all y-values" (when applicable)

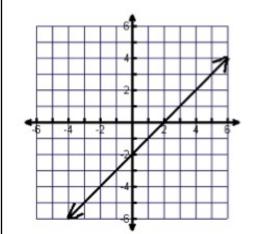
"dependent variable"

Y=28+7



Pange (-25)

Function? Yes



6) Domain_

Range____

Function?_

