Domain and Range

Date:

Standards

- <u>F.IF.2</u> Use function notation, evaluate functions for inputs and outputs in their domains,
- <u>F.IF.5</u> Relate the domain of a function to its graph and, where applicable, to the real life situation it describes.

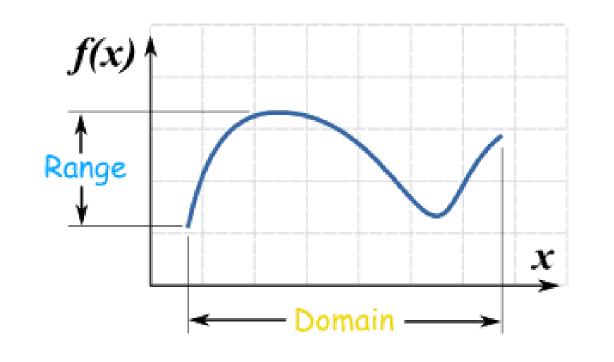
Essential Questions

- What is the Domain and Range of a function?
- How can I identify the domain/ range of a closed function?
- How can I identify the domain/range of a open function?
- How can I identify the domain/range of an infinite function?

What is the Domain and Range of a function?

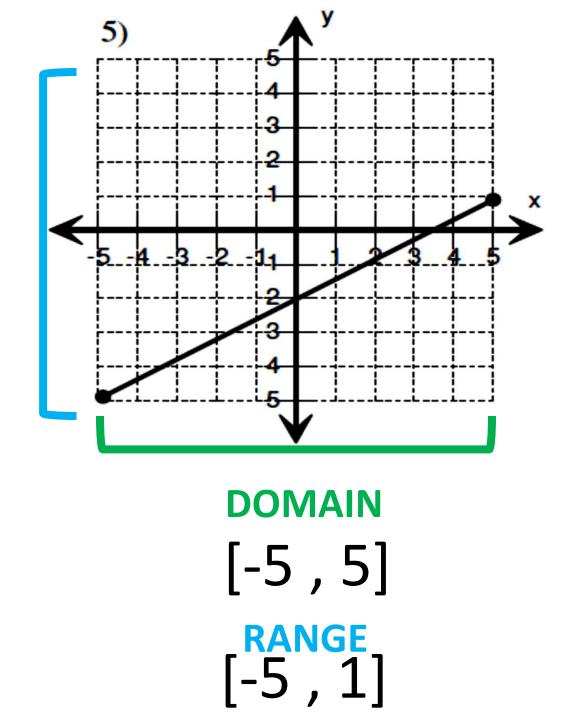
Domain: the set of all inputs or x – coordinates of a function

Range: the set of all outputs or y – coordinates of a function



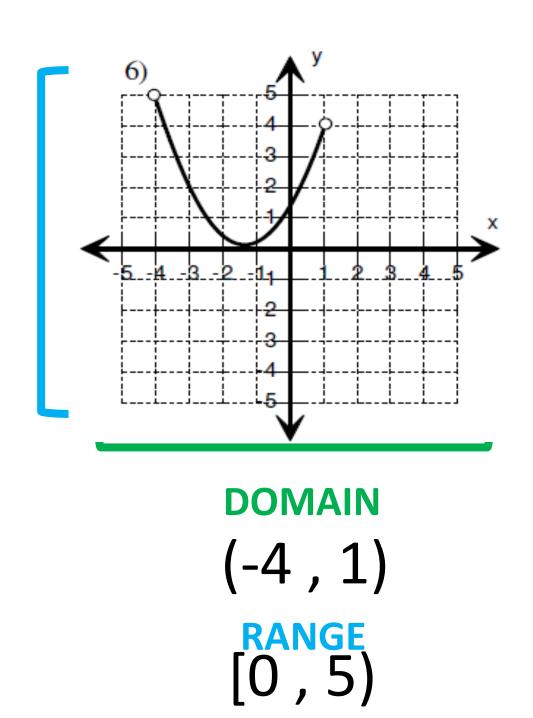
How can I identify the domain/ range of a closed function?

Closed circles → [



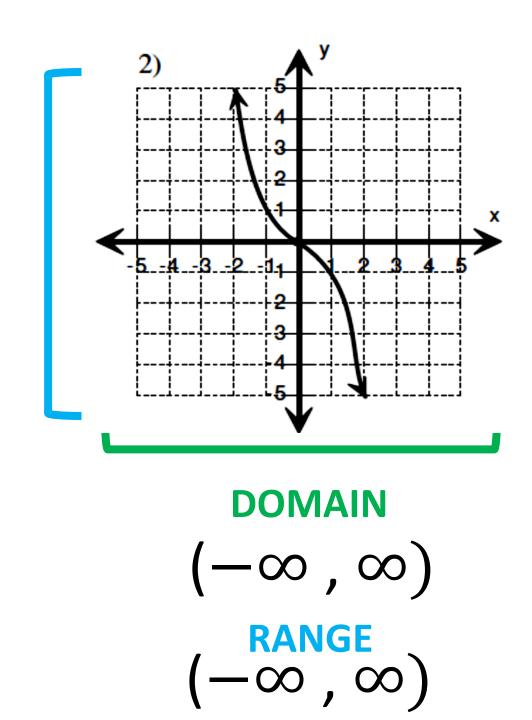
How can I identify the domain/ range of a open function?

Open circles → (



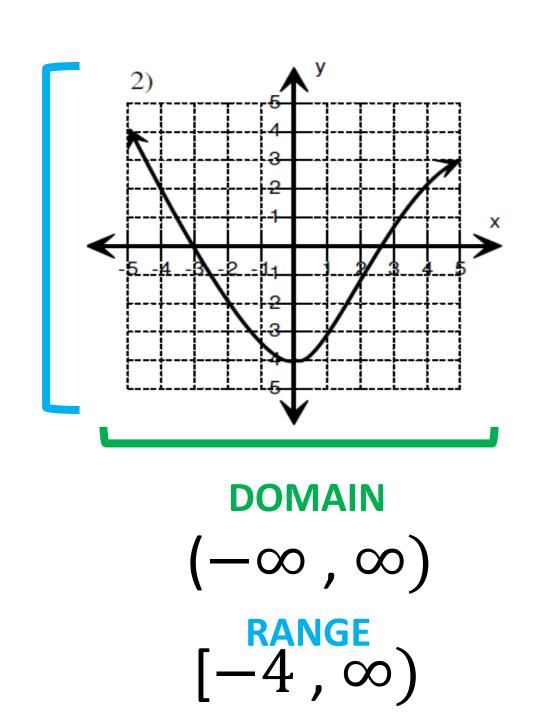
How can I identify the domain/ range of an Infinite function?

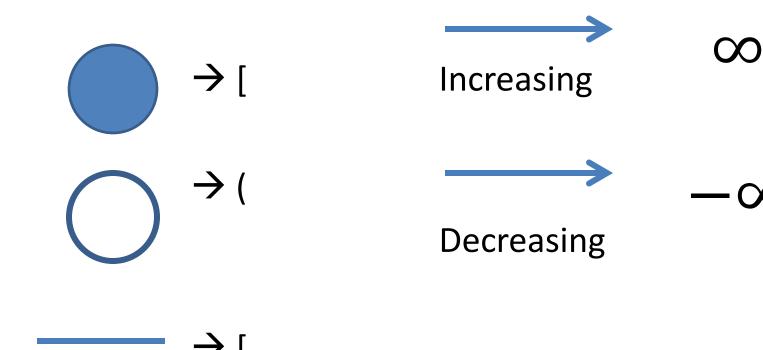
-∞: decrease without bound



How can I identify the domain/ range of an Infinite function?

-∞: decrease without bound





REFLECTION:

- 1) Answer one essential question.
- 2) How have previous lessons helped or connect with this lesson?
- 3) What are you still confused on or what new info did you learn?

Homework

 Handout- Domain and Range