

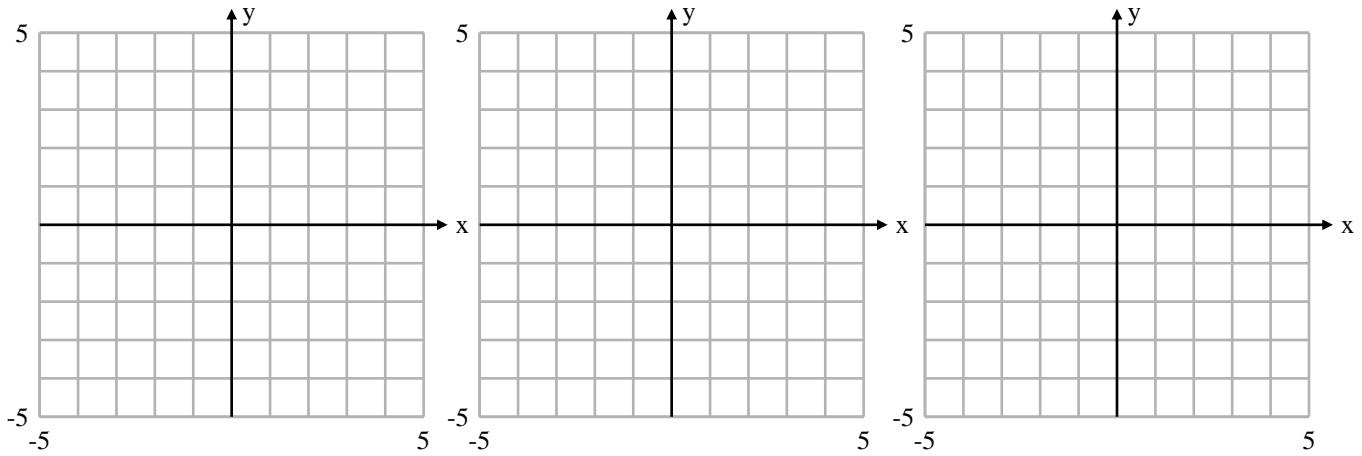
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9-21-07

Domain:

Range:

Function:



1. Describe the domain of the following function.

$$V = \frac{4}{3} \pi r^3$$

2. Implied Domain:

3. Relevant Domain:

4. Describe the domain and range.

$$f(x) = \sqrt{x+2}$$

5. Describe the domain and range.

$$f(x) = \frac{1}{x-2}$$

6. Describe the domain and range.

$$f(x) = \frac{1}{3-x^2}$$

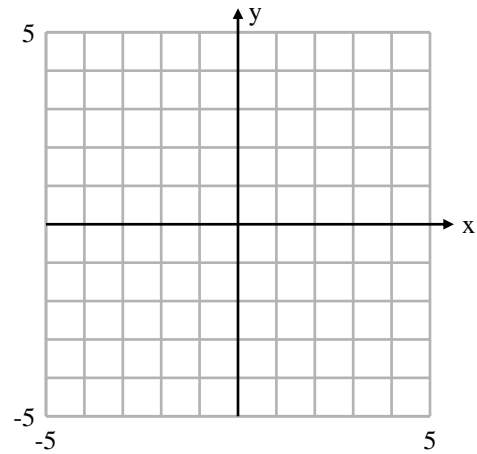
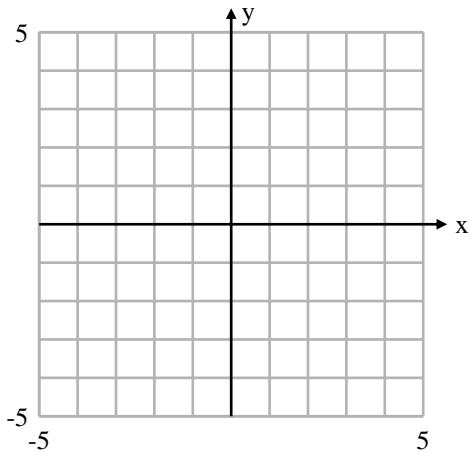
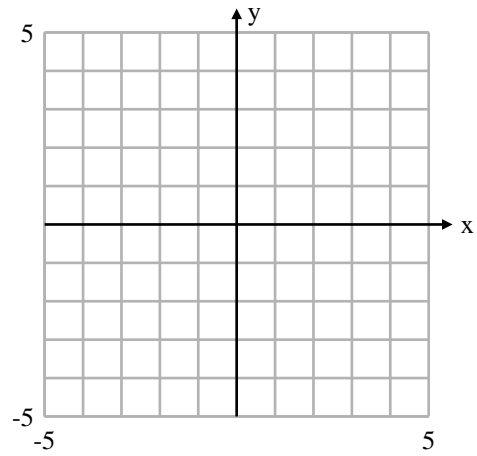
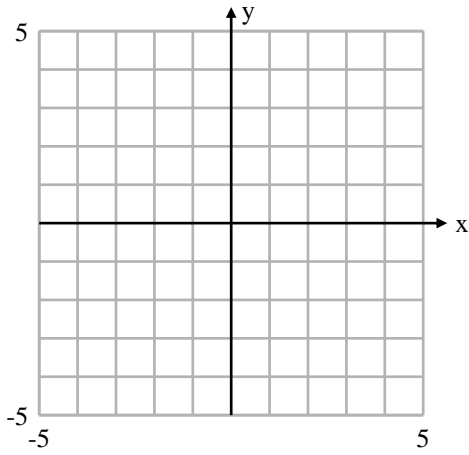
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Continuity

A function f is continuous at $x = a$ if

A function f is discontinuous at $x = a$ if it is not continuous at



Increasing and Decreasing Functions

