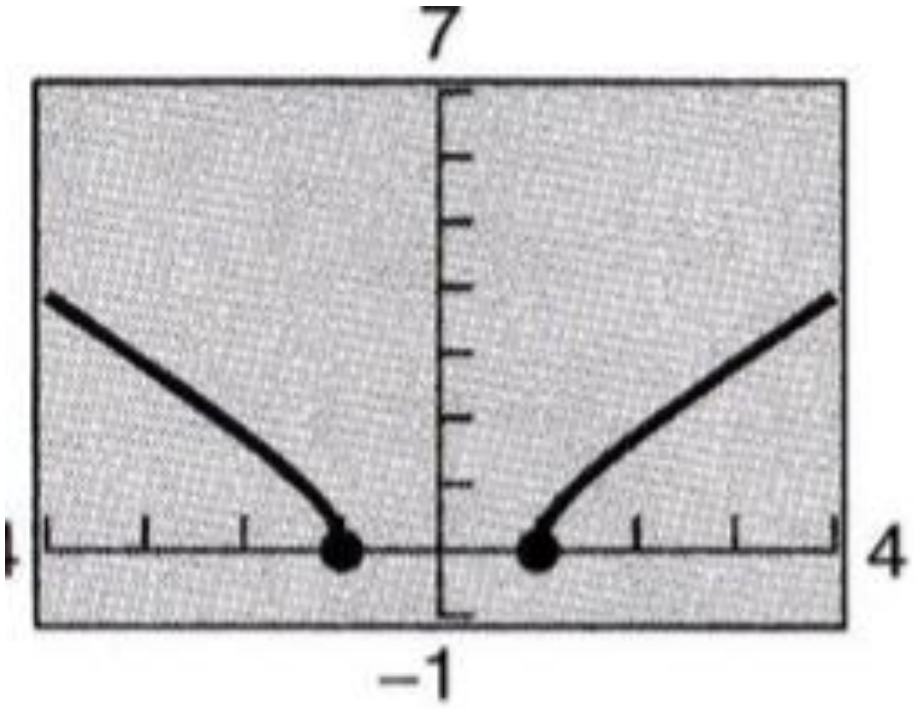
Find the Domain and Range



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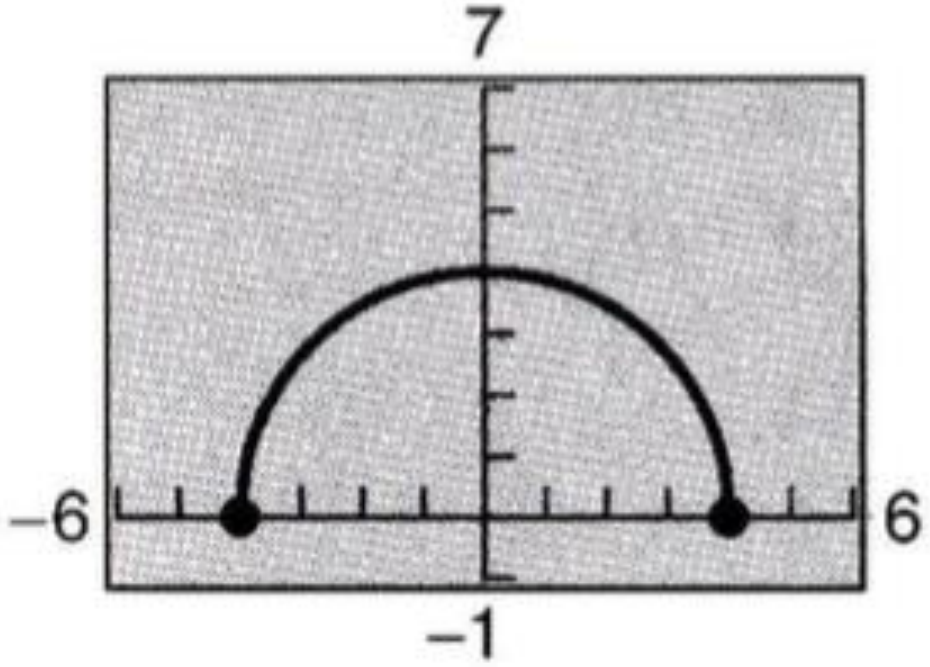

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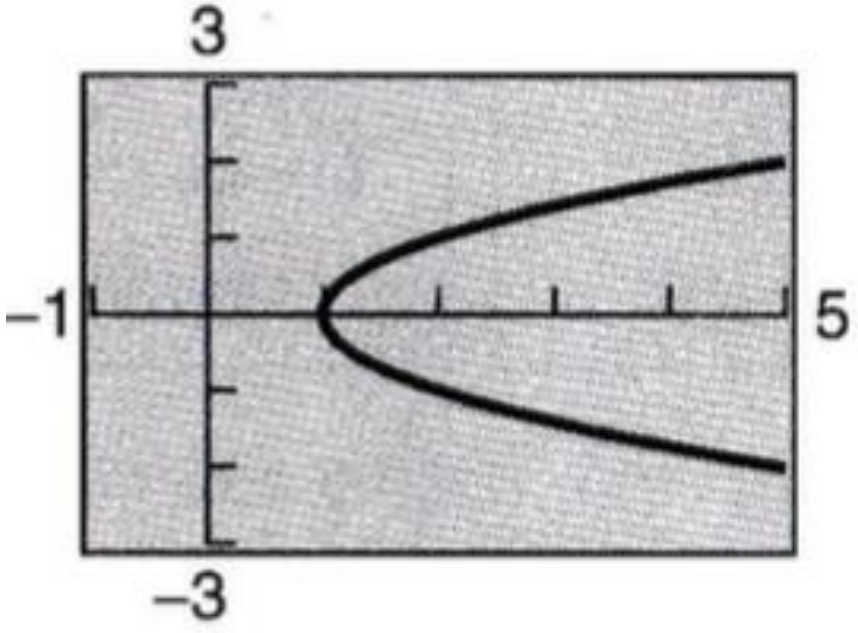

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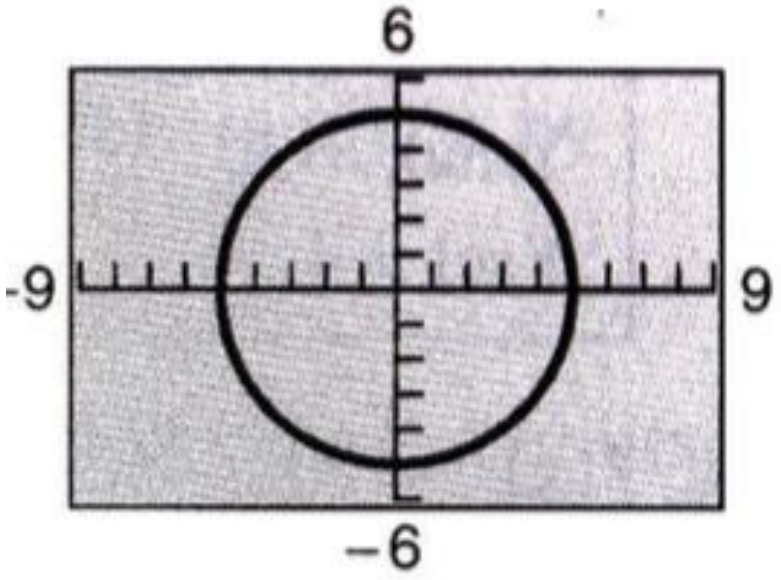

Find the Domain algebraically.

$$g(x) = \sqrt{x - 10}$$

Find the Domain algebraically

$$f(x) = \frac{10}{x^2 - 2x}$$

Find the Domain algebraically

$$h(x) = \frac{\sqrt{x-1}}{x-4}$$

Find any points of discontinuity. Identify each point as removable or non-removable. Identify any horizontal asymptotes.

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

Find any points of discontinuity. Identify each point as removable or non-removable. Identify any horizontal asymptotes.

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

Find any points of discontinuity. Identify each point as removable or non-removable. Identify any horizontal asymptotes.

$$g(x) = \frac{x^2 - 4}{x^2 - 3x - 15}$$

Find any points of discontinuity. Identify each point as removable or non-removable. Identify any horizontal asymptotes.

$$h(x) = \frac{3x^2}{3X - 2}$$

Determine if the function is even, odd, or neither.

$$g(x) = x^3 - 5x$$

Determine if the function is even, odd, or neither.

$$f(x) = x^2 - 9$$

Graph the function.

$$f(x) = \begin{cases} 2x + 1, x \leq -1 \\ x^2 - 2, \quad x > -1 \end{cases}$$

Graph the function

$$g(x) = \begin{cases} x + 2, if\ x \leq 0 \\ 3, if\ x < 0 \leq 2 \\ -x^2 - 1, if\ x > 2 \end{cases}$$