



Function Domain - Fraction Linear over Quadratic (Complex Roots) to Domain Definition

1

What set describes the domain of this function?

$$f(x) = \frac{1x - 4}{1x^2 - 1x + 2}$$

A $\{X \in \mathbb{R} | 1 \leq X\}$

B $\{X \in \mathbb{R} | \}$

2

What set describes the domain of this function?

$$f(x) = \frac{-1x - 4}{3x^2 - 4x + 22}$$

A $\{X \in \mathbb{R} | X \leq 8\}$

B $\{X \in \mathbb{R} | \}$

3

What set describes the domain of this function?

$$f(x) = \frac{-1x + 2}{2x^2 - 8x + 22}$$

A $\{X \in \mathbb{R} | \}$

B $\{X \in \mathbb{R} | -1 \leq X\}$

4

What set describes the domain of this function?

$$f(x) = \frac{-1x + 1}{-2x^2 - 1x - 17}$$

A $\{X \in \mathbb{R} | 0 < X\}$

B $\{X \in \mathbb{R} | \}$

5

What set describes the domain of this function?

$$f(x) = \frac{-1x - 2}{3x^2 - 0x + 24}$$

A $\{ \}$

B $\{X \in \mathbb{R} | \}$

6

What set describes the domain of this function?

$$f(x) = \frac{1x - 3}{4x^2 + 2x + 10}$$

A $\{X \in \mathbb{R} | \}$

B $\{ \}$

7

What set describes the domain of this function?

$$f(x) = \frac{-1x - 5}{-4x^2 - 8x - 20}$$

A $\{ \}$

B $\{X \in \mathbb{R} | \}$

8

What set describes the domain of this function?

$$f(x) = \frac{-1x + 3}{5x^2 + 5x + 12}$$

A $\{X \in \mathbb{R} | \}$

B $\{ \}$