



Function Domain - Fraction Integer over Quadratic (Complex Roots) to Domain

Definition

1 What set describes the domain of this function?

$$f(x) = \frac{5}{4x^2 + 1x + 4}$$

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

B $\{X \in \mathbb{R} | -8 < X\}$

2 What set describes the domain of this function?

$$f(x) = \frac{-1}{2x^2 - 5x + 10}$$

A $\{X \in \mathbb{R} | X < -6\}$

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

3 What set describes the domain of this function?

$$f(x) = \frac{2}{2x^2 + 5x + 13}$$

A $\{ \}$

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

4 What set describes the domain of this function?

$$f(x) = \frac{4}{-4x^2 - 1x - 24}$$

A $\{X \in \mathbb{R} | -9 \leq X\}$

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

5 What set describes the domain of this function?

$$f(x) = \frac{3}{4x^2 - 8x + 25}$$

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

B $\{X \in \mathbb{R} | -7 \leq X\}$

6 What set describes the domain of this function?

$$f(x) = \frac{-3}{-3x^2 - 5x - 10}$$

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

B $\{X \in \mathbb{R} | X \leq 0\}$

7 What set describes the domain of this function?

$$f(x) = \frac{-1}{5x^2 + 1x + 21}$$

A $\{X \in \mathbb{R} | -6 < X\}$

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

8 What set describes the domain of this function?

$$f(x) = \frac{5}{-5x^2 - 4x - 22}$$

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

B $\{X \in \mathbb{R} | 3 < X\}$