



Function Domain - Simple Root of Quadratic (Complex Roots) to Domain

Definition

1 What set describes the domain of this function?

$$f(x) = \sqrt{-5x^2 - 6x - 3}$$

A $\{\}$

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

2 What set describes the domain of this function?

$$f(x) = \sqrt{3x^2 + 6x + 22}$$

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

B $\{\}$

3 What set describes the domain of this function?

$$f(x) = \sqrt{1x^2 - 5x + 24}$$

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

B $\{X \in \mathbb{R} \mid X < 9\}$

4 What set describes the domain of this function?

$$f(x) = \sqrt{-5x^2 - 4x - 15}$$

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

B $\{\}$

5 What set describes the domain of this function?

$$f(x) = \sqrt{5x^2 + 9x + 21}$$

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

B $\{\}$

6 What set describes the domain of this function?

$$f(x) = \sqrt{-1x^2 - 6x - 25}$$

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

B $\{\}$

7 What set describes the domain of this function?

$$f(x) = \sqrt{-3x^2 + 5x - 15}$$

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

B $\{\}$

8 What set describes the domain of this function?

$$f(x) = \sqrt{3x^2 - 10x + 23}$$

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

B $\{\}$