



Function Domain - Fraction Root of Linear over Root of Linear to Domain

Definition

1

$$f(x) = \frac{\sqrt{1x+3}}{\sqrt{-1x-4}}$$

What set describes the domain of this function?

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

B $\{ \}$

2

What set describes the domain of this function?

$$f(x) = \frac{\sqrt{-1x+3}}{\sqrt{1x+5}}$$

A

$$\{X \in \mathbb{R} | -5 < X \leq 3\}$$

B

$$\{X \in \mathbb{R} | -5 \leq X < 3\}$$

3

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

What set describes the domain of this function?

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

B $\{ \}$

4

What set describes the domain of this function?

$$f(x) = \frac{\sqrt{-1x+4}}{\sqrt{-1x-0}}$$

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

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

5

$$f(x) = \frac{\sqrt{1x+1}}{\sqrt{1x-3}}$$

What set describes the domain of this function?

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

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

6

What set describes the domain of this function?

$$f(x) = \frac{\sqrt{-1x+1}}{\sqrt{-1x-3}}$$

A

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

B

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

7

What set describes the domain of this function?

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

A

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

B

$$\{X \in \mathbb{R} | -1 \leq X < 2\}$$

8

What set describes the domain of this function?

$$f(x) = \frac{\sqrt{-1x+1}}{\sqrt{-1x+5}}$$

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

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