Name

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

1 What set describes the domain of this function? $f(x) = \frac{\sqrt{-1x - 3}}{-4x^2 + 4x - 25}$

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

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

2 What set describes the domain of this function? $f(x) = \frac{\sqrt{-1x - 5}}{4x^2 + 2x + 10}$

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

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

3 What set describes the domain of this function? $f(x) = \frac{\sqrt{-1x - 0}}{5x^2 - 1x + 6}$

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

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

4 What set describes the domain of this function? $f(x) = \frac{\sqrt{-1x - 1}}{4x^2 - 0x + 10}$

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

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

5 What set describes the domain of this function? $f(x) = \frac{\sqrt{1x + 2}}{-2x^2 - 5x - 17}$

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

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

6 What set describes the domain of this function? $f(x) = \frac{\sqrt{-1x + 2}}{-2x^2 + 6x - 7}$

A $\{X \in \mathbb{R} | 2 \leq X\}$

B $\{X \in \mathbb{R} | X \leq 2\}$

7 What set describes the domain of this function? $f(x) = \frac{\sqrt{1x - 2}}{-5x^2 - 5x - 25}$

A $\{X \in \mathbb{R} | 2 < X\}$

B $\{X \in \mathbb{R} | 2 \leq X\}$

8 What set describes the domain of this function? $f(x) = \frac{\sqrt{-1x + 3}}{-1x^2 + 5x - 10}$

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

B $\{X \in \mathbb{R} | 0 \leq X \leq 3\}$