



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

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

A $\{X \in \mathbb{R} | X \leq -4\}$

B $\{X \in \mathbb{R} | -4 \leq X\}$

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

A $\{X \in \mathbb{R} | X < -5 \text{ or } -5 < X \leq 2\}$

B $\{X \in \mathbb{R} | -5 < X < 5 \text{ or } -5 \leq X < 2\}$

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

A $\{X \in \mathbb{R} | X < 3 \text{ or } 3 \leq X < 5\}$

B $\{X \in \mathbb{R} | X < 3 \text{ or } 3 < X \leq 5\}$

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

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

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

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

A $\{X \in \mathbb{R} | 5 < X\}$

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

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

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

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

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

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

B $\{X \in \mathbb{R} | -5 \leq X \leq 3 \text{ or } -3 \leq X \leq 3\}$

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

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

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