



Function Domain - Fraction Linear over Linear to Domain Definition

1 What set describes the domain of this function? $f(x) = \frac{1x + 1}{1x - 4}$ A $\{X \in \mathbb{R} X < 4 \text{ or } 4 < X\}$ B $\{X \in \mathbb{R} -4 < X < 4 \text{ or } -4 < X < 4\}$	2 What set describes the domain of this function? $f(x) = \frac{1x + 5}{-1x - 0}$ A $\{X \in \mathbb{R} X < 0 \text{ or } 0 \leq X\}$ B $\{X \in \mathbb{R} X < 0 \text{ or } 0 < X\}$
3 What set describes the domain of this function? $f(x) = \frac{1x - 3}{-1x - 4}$ A $\{X \in \mathbb{R} X < -4 \text{ or } -4 < X\}$ B $\{X \in \mathbb{R} X \leq -4 \text{ or } -4 < X < 4\}$	4 What set describes the domain of this function? $f(x) = \frac{-1x + 3}{-1x - 1}$ A $\{X \in \mathbb{R} X \leq -1 \text{ or } -1 < X\}$ B $\{X \in \mathbb{R} X < -1 \text{ or } -1 < X\}$
5 What set describes the domain of this function? $f(x) = \frac{1x - 0}{1x + 3}$ A $\{X \in \mathbb{R} X < -3 \text{ or } -3 < X\}$ B $\{X \in \mathbb{R} -3 < X < 3 \text{ or } -3 \leq X\}$	6 What set describes the domain of this function? $f(x) = \frac{-1x - 3}{1x - 1}$ A $\{X \in \mathbb{R} -1 < X < 1 \text{ or } -1 < X \leq 1\}$ B $\{X \in \mathbb{R} X < 1 \text{ or } 1 < X\}$
7 What set describes the domain of this function? $f(x) = \frac{1x + 1}{-1x - 4}$ A $\{X \in \mathbb{R} -4 < X < 4 \text{ or } -4 < X < 4\}$ B $\{X \in \mathbb{R} X < -4 \text{ or } -4 < X\}$	8 What set describes the domain of this function? $f(x) = \frac{-1x - 5}{-1x + 4}$ A $\{X \in \mathbb{R} X < 4 \text{ or } -4 < X < 4\}$ B $\{X \in \mathbb{R} X < 4 \text{ or } 4 < X\}$