



Function Composition to Domain - Root of Linear to Domain Definition



1

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = -1x + 2$

A	B
$\{X \in \mathbb{R} \mid \}$	$\{X \in \mathbb{R} \mid X \leq 2\}$

$f(g(x)) \rightarrow \text{Domain?}$

2

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = -1x + 3$

A	B
$\{X \in \mathbb{R} \mid -5 < X < 3\}$	$\{X \in \mathbb{R} \mid X \leq 3\}$

$f(g(x)) \rightarrow \text{Domain?}$

3

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = -1x + 1$

A	B
$\{X \in \mathbb{R} \mid X \leq 1\}$	$\{X \in \mathbb{R} \mid 1 \leq X\}$

$f(g(x)) \rightarrow \text{Domain?}$

4

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = -1x - 3$

A	B
$\{X \in \mathbb{R} \mid X < -3\}$	$\{X \in \mathbb{R} \mid X \leq -3\}$

$f(g(x)) \rightarrow \text{Domain?}$

5

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = -1x - 2$

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

$f(g(x)) \rightarrow \text{Domain?}$

6

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = 1x + 2$

A	B
$\{X \in \mathbb{R} \mid -2 \leq X\}$	$\{X \in \mathbb{R} \mid -2 < X\}$

$f(g(x)) \rightarrow \text{Domain?}$

7

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = 1x + 3$

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

$f(g(x)) \rightarrow \text{Domain?}$

8

$f(x) = \sqrt{x}$

Which set describes the domain of this function composition?

$g(x) = -1x - 4$

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

$f(g(x)) \rightarrow \text{Domain?}$