



Function Composition to Domain - Integer over Linear to Domain Definition

1

$$f(x) = \frac{1}{x}$$

Which set describes the domain of this function composition?

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

A
 $\{X \in \mathbb{R} | -2 \leq X \leq 4 \text{ or } -2 < X < 2\}$

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

$f(g(x)) \rightarrow$ Domain?

2

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

Which set describes the domain of this function composition?

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

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

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

$f(g(x)) \rightarrow$ Domain?

3

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

Which set describes the domain of this function composition?

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

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

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

$f(g(x)) \rightarrow$ Domain?

4

$$f(x) = \frac{1}{x}$$

Which set describes the domain of this function composition?

$$g(x) = 1x - 0$$

A
 $\{X \in \mathbb{R} | -1 < X < 1 \text{ or } -1 < X < 1\}$

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

$f(g(x)) \rightarrow$ Domain?

5

$$f(x) = \frac{2}{x}$$

Which set describes the domain of this function composition?

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

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

B
 $\{X \in \mathbb{R} | X < 1 \text{ or } 1 < X\}$

$f(g(x)) \rightarrow$ Domain?

6

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

Which set describes the domain of this function composition?

$$g(x) = -1x - 5$$

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

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

$f(g(x)) \rightarrow$ Domain?

7

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

Which set describes the domain of this function composition?

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

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

B
 $\{X \in \mathbb{R} | X < -4 \text{ or } -4 < X\}$

$f(g(x)) \rightarrow$ Domain?

8

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

Which set describes the domain of this function composition?

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

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

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

$f(g(x)) \rightarrow$ Domain?