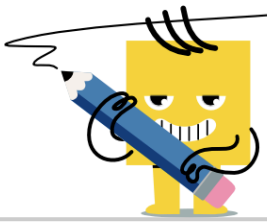
Name



Function Composition to Domain - Integer over Root of Linear to Domain Definition

1

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

$g(x) = 1x + 4$

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

Which set describes the domain of this function composition?

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

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

2

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

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

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

Which set describes the domain of this function composition?

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

3

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

$g(x) = 1x + 2$

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

Which set describes the domain of this function composition?

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

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

4

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

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

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

Which set describes the domain of this function composition?

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

5

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

$g(x) = 1x - 1$

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

Which set describes the domain of this function composition?

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

6

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

$g(x) = 1x + 5$

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

Which set describes the domain of this function composition?

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

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

7

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

$g(x) = 1x - 0$

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

Which set describes the domain of this function composition?

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

8

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

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

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

Which set describes the domain of this function composition?

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