

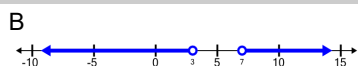
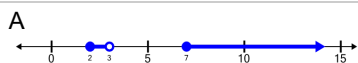
Function Composition to Domain - Integer over Root of Quadratic (Real Roots) to Number Line

1

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

Which number line shows the domain of this function composition?

$$g(x) = 1x^2 - 10x + 21$$

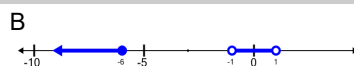
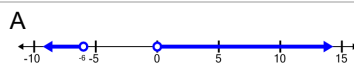


$f(g(x)) \rightarrow$ Domain?

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

Which number line shows the domain of this function composition?

$$g(x) = 1x^2 + 6x - 0$$



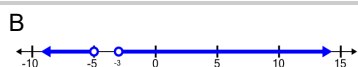
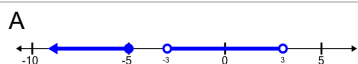
$f(g(x)) \rightarrow$ Domain?

3

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

Which number line shows the domain of this function composition?

$$g(x) = 1x^2 + 8x + 15$$



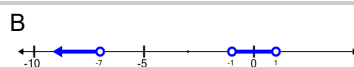
$f(g(x)) \rightarrow$ Domain?

4

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

Which number line shows the domain of this function composition?

$$g(x) = 1x^2 + 7x - 0$$



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

5

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

Which number line shows the domain of this function composition?

$$g(x) = -2x^2 - 8x - 0$$



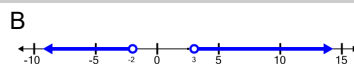
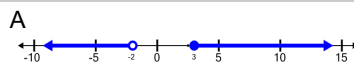
$f(g(x)) \rightarrow$ Domain?

6

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

Which number line shows the domain of this function composition?

$$g(x) = 1x^2 - 1x - 6$$



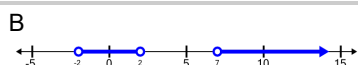
$f(g(x)) \rightarrow$ Domain?

7

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

Which number line shows the domain of this function composition?

$$g(x) = 1x^2 - 9x + 14$$



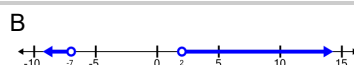
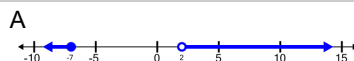
$f(g(x)) \rightarrow$ Domain?

8

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

Which number line shows the domain of this function composition?

$$g(x) = 1x^2 + 5x - 14$$



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