Domain of Logarithmic Functions · 1

Find the domain of $f(x) = \log_7(x + 9)$.

Domain of Logarithmic Functions · 2

Find the domain of $f(x) = \log_4(3x + 1)$.

Domain of Logarithmic Functions · 3

Find the domain of f(x) = 4log_2(8 - 2x) + 7.

Domain of Logarithmic Functions · 4

Find the domain of $f(x) = \log_3(-3x - 7)$.

Domain of Logarithmic Functions · 5

Find the domain of $f(x) = \log_3(x - 1)$.

Domain of Logarithmic Functions · 6

Find the domain of f(x) = 5log_7(2x + 9) + 1.

Domain of Logarithmic Functions · 7

Find the domain of $f(x) = \log_7(-x - 2)$.

Domain of Logarithmic Functions · 8

Find the domain of $f(x) = \log_2(4x - 11)$.

Domain of Logarithmic Functions · 2

ANSWER

$$x > -\frac{1}{3}$$

Domain of Logarithmic Functions · 1

ANSWER

$$x > -9$$

Domain of Logarithmic Functions · 4

ANSWER

$$x < -\frac{7}{3}$$

Domain of Logarithmic Functions · 3

ANSWER

$$x < 4$$

Domain of Logarithmic Functions · 6

ANSWER

$$x > -\frac{9}{2}$$

Domain of Logarithmic Functions · 5

ANSWER

$$x > 1$$

Domain of Logarithmic Functions · 8

ANSWER

$$x > \frac{11}{4}$$

Domain of Logarithmic Functions · 7

ANSWER

$$x < -2$$

Domain of Logarithmic Functions · 9

Find the domain of f(x) = $\log_4(-3x - 15)$.

Domain of Logarithmic Functions · 10

Find the domain of f(x) = $\log_2(10 - 3x)$.

Domain of Logarithmic Functions · 11

Find the domain of f(x) = 3log_4(2x + 16) - 6.

Domain of Logarithmic Functions · 12

Find the domain of f(x) = $\log_3(-4x - 2)$.

Domain of Logarithmic Functions · 13

Find the domain of f(x) = $\log_7(14 - 2x)$.

Domain of Logarithmic Functions · 14

Find the domain of f(x) = 5log_4(-2x - 9) - 2.

Domain of Logarithmic Functions · 15

Find the domain of f(x) = $\log_2(4x - 28)$.

Domain of Logarithmic Functions · 16

Find the domain of f(x) = $\log_7(6 - 4x)$.

Domain of Logarithmic Functions · 10

ANSWER

$$x < \frac{10}{3}$$

Domain of Logarithmic Functions · 9

ANSWER

$$x < -5$$

Domain of Logarithmic Functions · 12

ANSWER

$$x < \frac{1}{-2}$$

Domain of Logarithmic Functions · 11

ANSWER

$$x > -8$$

Domain of Logarithmic Functions · 14

ANSWER

$$x < \frac{9}{-2}$$

Domain of Logarithmic Functions · 13

ANSWER

$$x < 7$$

Domain of Logarithmic Functions · 16

ANSWER

$$x < \frac{3}{2}$$

Domain of Logarithmic Functions · 15

ANSWER

$$x > 7$$

Find the domain of $f(x) = \log_3(x + 5)$.

Find the domain of $f(x) = \log_3(4x - 3)$.

Find the domain of f(x) = 5log_2(-3x - 27) + 6.

Find the domain of $f(x) = \log_4(2x + 9)$.

Find the domain of $f(x) = \log_7(5x + 30)$.

Find the domain of f(x) = 3log_7(4x - 9) - 4.

Find the domain of $f(x) = \log(5x)$.

Find the domain of $f(x) = \ln(-2x - 5)$.

Domain of Logarithmic Functions · 18

ANSWER

$$x > \frac{3}{4}$$

Domain of Logarithmic Functions · 17

ANSWER

$$x > -5$$

Domain of Logarithmic Functions · 20

ANSWER

$$x > -\frac{9}{2}$$

Domain of Logarithmic Functions · 19

ANSWER

$$x < -9$$

Domain of Logarithmic Functions · 22

ANSWER

$$x > \frac{9}{4}$$

Domain of Logarithmic Functions · 21

ANSWER

$$x > -6$$

Domain of Logarithmic Functions · 24

ANSWER

$$x < -\frac{5}{2}$$

Domain of Logarithmic Functions · 23

ANSWER

$$x > 0$$