Inverses of Linear Functions · 1

$f(x) = 4x + 3$. Find $f^{-1}(27)$.

Inverses of Linear Functions · 2

Find the inverse of $f(x) = -3x + 6$.

Inverses of Linear Functions · 3

$f(x) = 5x - 5$ and $g(x) = 1/5x - 1$. Are f and g inverses of each other?

Inverses of Linear Functions · 4

Find the inverse of $f(x) = -3x - 21$.

Inverses of Linear Functions · 5

$f(x) = 7x + 8$. Find $f^{-1}(36)$.

Inverses of Linear Functions · 6

$f(x) = 4x + 12$ and $g(x) = -1/4x - 3$. Are f and g inverses of each other?

Inverses of Linear Functions · 7

Find the inverse of $f(x) = 6x + 24$.

Inverses of Linear Functions · 8

$f(x) = 5x + 8$. Find $f^{-1}(43)$.

Inverses of Linear Functions · 2

ANSWER

-1/3x + 2

Inverses of Linear Functions · 1

ANSWER

6

Inverses of Linear Functions · 4

ANSWER

-1/3x - 7

Inverses of Linear Functions · 3

ANSWER

no

Inverses of Linear Functions · 6

ANSWER

no

Inverses of Linear Functions · 5

ANSWER

4

Inverses of Linear Functions · 8

ANSWER

7

Inverses of Linear Functions · 7

ANSWER

1/6x - 4

Inverses of Linear Functions · 9

Find the inverse of $f(x) = -3x - 3$.

Inverses of Linear Functions · 10

$f(x) = 4x - 4$ and $g(x) = 1/4x + 1$. Are f and g inverses of each other?

Inverses of Linear Functions · 11

Find the inverse of $f(x) = 6x + 18$.

Inverses of Linear Functions · 12

$f(x) = -6x + 3$.

Find $f^{-1}(-15)$.

Inverses of Linear Functions · 13

$f(x) = -5x + 5$ and $g(x) = -1/5x + 1$. Are f and g inverses of each other?

Inverses of Linear Functions · 14

Find the inverse of $f(x) = 5x + 15$.

Inverses of Linear Functions · 15

Find the inverse of $f(x) = 2/5x + 8$.

Inverses of Linear Functions · 16

$f(x) = 5x - 3$. Find $f^{-1}(37)$.

Inverses of Linear Functions · 10

ANSWER

yes

Inverses of Linear Functions · 9

ANSWER

-1/3x - 1

Inverses of Linear Functions · 12

ANSWER

3

Inverses of Linear Functions · 11

ANSWER

1/6x - 3

Inverses of Linear Functions · 14

ANSWER

1/5x - 3

Inverses of Linear Functions · 13

ANSWER

yes

Inverses of Linear Functions · 16

ANSWER

8

Inverses of Linear Functions · 15

ANSWER

5/2x - 20

Inverses of Linear Functions · 17

f(x) = -2x - 4 and g(x) = -1/2x - 2. Are f and g inverses of each other?

Inverses of Linear Functions · 18

Find the inverse of f(x) = -2/3x - 6.

Inverses of Linear Functions · 19

A gym membership costs C(n) = 30n + 20 dollars for n months. Find C^{-1}(260), the number of months for a total cost of $260.

Inverses of Linear Functions · 20

Find the inverse of f(x) = -5x + 5.

Inverses of Linear Functions · 21

f(x) = 5x - 15 and g(x) = $\frac{x - 15}{5}$. Are f and g inverses of each other?

Inverses of Linear Functions · 22

f(x) = 3/4x + 1. Find f^{-1}(4).

Inverses of Linear Functions · 23

f(x) = -2x - 8. Find $f^{-1}(-12)$.

Inverses of Linear Functions · 24

Find the inverse of f(x) = -2x - 12.

Inverses of Linear Functions · 18

ANSWER

-3/2x - 9

Inverses of Linear Functions · 17

ANSWER

yes

Inverses of Linear Functions · 20

ANSWER

-1/5x + 1

Inverses of Linear Functions · 19

ANSWER

8

Inverses of Linear Functions · 22

ANSWER

4

Inverses of Linear Functions · 21

ANSWER

no

Inverses of Linear Functions · 24

ANSWER

-1/2x - 6

Inverses of Linear Functions · 23

ANSWER

2