Literal Equations (Solving for a Variable) · 1

Solve for y: -4x + 4y = 8

Literal Equations (Solving for a Variable) · 2

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when F = 104.

Literal Equations (Solving for a Variable) · 3

Solve for y: 4x + 4y = -32

Literal Equations (Solving for a Variable) · 4

The perimeter of a rectangle is P = 2l + 2w. Solve for l. Then find l when P = 62 and w = 15.

Literal Equations (Solving for a Variable) · 5

Solve for y: -6x + 3y = -3

Literal Equations (Solving for a Variable) · 6

A line has the equation y = mx + b. Solve for x. Then find x when y = 43, m = -5 and b = -2.

Literal Equations (Solving for a Variable) · 7

Solve for y: -15x + 3y = 21

Literal Equations (Solving for a Variable) · 8

Distance is d = rt. Solve for t. Then find t when d = 180 and r = 30.

Literal Equations (Solving for a Variable) · 2

ANSWER

40

Literal Equations (Solving for a Variable) · 1

ANSWER

y = x + 2

Literal Equations (Solving for a Variable) · 4

ANSWER

16

Literal Equations (Solving for a Variable) · 3

ANSWER

y = -x - 8

Literal Equations (Solving for a Variable) · 6

ANSWER

-9

Literal Equations (Solving for a Variable) · 5

ANSWER

y = 2x - 1

Literal Equations (Solving for a Variable) · 8

ANSWER

6

Literal Equations (Solving for a Variable) · 7

ANSWER

y = 5x + 7

Literal Equations (Solving for a Variable) · 9

Solve for y: -18x - 6y = 54

Literal Equations (Solving for a Variable) · 10

A line has the equation y = mx + b. Solve for x. Then find x when y = 11, m = 4 and b = -9.

Literal Equations (Solving for a Variable) · 11

Solve for y: -10x - 2y = 2

Literal Equations (Solving for a Variable) · 12

The perimeter of a rectangle is P = 2l + 2w. Solve for l. Then find l when P = 44 and w = 15.

Literal Equations (Solving for a Variable) · 13

Solve for y: 14x + 2y = -6

Literal Equations (Solving for a Variable) · 14

The area of a triangle is $A = \frac{bh}{2}$. Solve for h. Then find h when A = 18 and b = 4.

Literal Equations (Solving for a Variable) · 15

Solve for y: -36x + 6y = 24

Literal Equations (Solving for a Variable) · 16

The volume of a box is V = lwh. Solve for h. Then find h when V = 120, l = 6 and w = 2.

Literal Equations (Solving for a Variable) · 10

ANSWER

5

Literal Equations (Solving for a Variable) · 9

ANSWER

y = -3x - 9

Literal Equations (Solving for a Variable) · 12

ANSWER

7

Literal Equations (Solving for a Variable) · 11

ANSWER

y = -5x - 1

Literal Equations (Solving for a Variable) · 14

ANSWER

9

Literal Equations (Solving for a Variable) · 13

ANSWER

y = -7x - 3

Literal Equations (Solving for a Variable) · 16

ANSWER

10

Literal Equations (Solving for a Variable) · 15

ANSWER

y = 6x + 4

Solve for y: $9x + 3y = 30$

A line has the equation $y = mx + b$. Solve for x. Then find x when $y = -19$, $m = -5$ and $b = 11$.

Solve for y: $48x - 6y = -18$

The perimeter of a rectangle is $P = 2l + 2w$. Solve for l. Then find l when $P = 58$ and $w = 14$.

Solve for y: $-28x - 4y = 28$

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when $F = 203$.

Solve for y: $-9x + 3y = -18$

The volume of a box is $V = lwh$. Solve for h. Then find h when $V = 160$, $l = 10$ and $w = 4$.

Literal Equations (Solving for a Variable) · 18

ANSWER

6

Literal Equations (Solving for a Variable) · 17

ANSWER

y = -3x + 10

Literal Equations (Solving for a Variable) · 20

ANSWER

15

Literal Equations (Solving for a Variable) · 19

ANSWER

y = 8x + 3

Literal Equations (Solving for a Variable) · 22

ANSWER

95

Literal Equations (Solving for a Variable) · 21

ANSWER

y = -7x - 7

Literal Equations (Solving for a Variable) · 24

ANSWER

4

Literal Equations (Solving for a Variable) · 23

ANSWER

y = 3x - 6