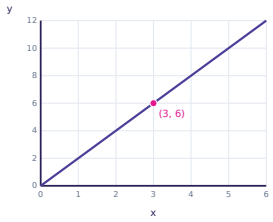
Writing Proportional Functions (y = kx) · 1

y is proportional to x, and y = 12 when x = 4. Write the function.

Writing Proportional Functions (y = kx) · 2

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 3

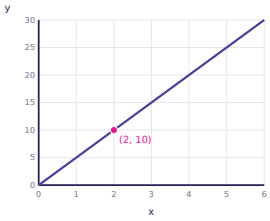
A machine fills 7 bottles every minute. Let x be the number of minutes and y the number of bottles. Write the function.

Writing Proportional Functions (y = kx) · 4

y is proportional to x, and y = -36 when x = 9. Write the function.

Writing Proportional Functions (y = kx) · 5

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 6

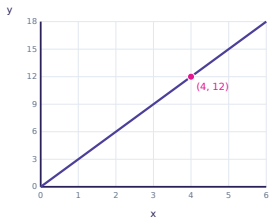
A printer prints 8 pages every minute. Let x be the number of minutes and y the number of pages. Write the function.

Writing Proportional Functions (y = kx) · 7

y is proportional to x, and y = 27 when x = 9. Write the function.

Writing Proportional Functions (y = kx) · 8

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 2

ANSWER

$y = 2x$

Writing Proportional Functions (y = kx) · 1

ANSWER

$y = 3x$

Writing Proportional Functions (y = kx) · 4

ANSWER

$y = -4x$

Writing Proportional Functions (y = kx) · 3

ANSWER

$y = 7x$

Writing Proportional Functions (y = kx) · 6

ANSWER

$y = 8x$

Writing Proportional Functions (y = kx) · 5

ANSWER

$y = 5x$

Writing Proportional Functions (y = kx) · 8

ANSWER

$y = 3x$

Writing Proportional Functions (y = kx) · 7

ANSWER

$y = 3x$

Writing Proportional Functions (y = kx) · 9

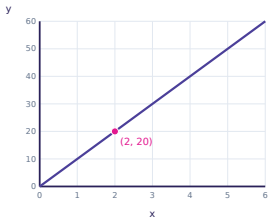
A recipe uses 8 cups of flour for every batch. Let x be the number of batches and y the number of cups of flour. Write the function.

Writing Proportional Functions (y = kx) · 10

y is proportional to x, and y = 90 when x = -9. Write the function.

Writing Proportional Functions (y = kx) · 11

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 12

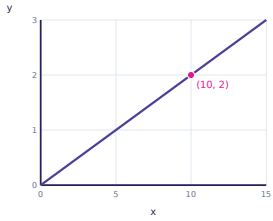
A plant grows 3 centimeters every week. Let x be the number of weeks and y the number of centimeters. Write the function.

Writing Proportional Functions (y = kx) · 13

y is proportional to x, and y = -4 when x = -12. Write the function.

Writing Proportional Functions (y = kx) · 14

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 15

A faucet pours 1 liter every 5 minutes. Let x be the number of minutes and y the number of liters. Write the function.

Writing Proportional Functions (y = kx) · 16

y is proportional to x, and y = -1 when x = 3. Write the function.

Writing Proportional Functions (y = kx) · 10

ANSWER

$$y = -10x$$

Writing Proportional Functions (y = kx) · 9

ANSWER

$$y = 8x$$

Writing Proportional Functions (y = kx) · 12

ANSWER

$$y = 3x$$

Writing Proportional Functions (y = kx) · 11

ANSWER

$$y = 10x$$

Writing Proportional Functions (y = kx) · 14

ANSWER

$$y = \left(\frac{1}{5}\right)x$$

Writing Proportional Functions (y = kx) · 13

ANSWER

$$y = \left(\frac{1}{3}\right)x$$

Writing Proportional Functions (y = kx) · 16

ANSWER

$$y = -\left(\frac{1}{3}\right)x$$

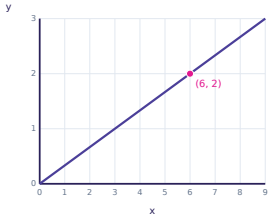
Writing Proportional Functions (y = kx) · 15

ANSWER

$$y = \left(\frac{1}{5}\right)x$$

Writing Proportional Functions (y = kx) · 17

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 18

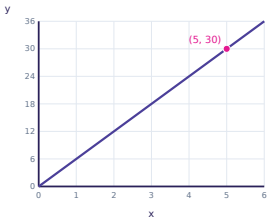
A plant grows 1 centimeter every 2 weeks. Let x be the number of weeks and y the number of centimeters. Write the function.

Writing Proportional Functions (y = kx) · 19

y is proportional to x, and y = 6 when x = 2. Write the function.

Writing Proportional Functions (y = kx) · 20

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 21

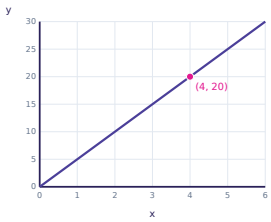
A machine fills 2 bottles every minute. Let x be the number of minutes and y the number of bottles. Write the function.

Writing Proportional Functions (y = kx) · 22

y is proportional to x, and y = -81 when x = 9. Write the function.

Writing Proportional Functions (y = kx) · 23

The graph shows a proportional function. Write its equation.



Writing Proportional Functions (y = kx) · 24

A bakery bakes 6 loaves every hour. Let x be the number of hours and y the number of loaves. Write the function.

Writing Proportional Functions (y = kx) · 18

ANSWER

$$y = \left(\frac{1}{2}\right)x$$

Writing Proportional Functions (y = kx) · 17

ANSWER

$$y = \left(\frac{1}{3}\right)x$$

Writing Proportional Functions (y = kx) · 20

ANSWER

$$y = 6x$$

Writing Proportional Functions (y = kx) · 19

ANSWER

$$y = 3x$$

Writing Proportional Functions (y = kx) · 22

ANSWER

$$y = -9x$$

Writing Proportional Functions (y = kx) · 21

ANSWER

$$y = 2x$$

Writing Proportional Functions (y = kx) · 24

ANSWER

$$y = 6x$$

Writing Proportional Functions (y = kx) · 23

ANSWER

$$y = 5x$$