

Literal Equations and Formulas Assignment

Solve each equation for the value of y and find the value of y for the value of x given.

1. $-5x = 4y + 8$; $x = 0$

2. $3y - 9x = 24$; $x = 3$

3. $-4y = 5x + 8$; $x = 1$

Solve each equation for the variable given.

1. $4p + qr = r - 3$; r

2. $3ab - 2bc = 12$; c

3. $-3(g - 2f) = 5g$; g

4. $m = \frac{x+n}{p}$; x

5. $d = f + fz$; z

Literal Equations and Formulas Assignment

Solve each problem and round the answer to the nearest tenth. Use $\pi = 3.14$.

1. What is the length of a rectangle with width 14 cm and area 168 cm^2 ?

Length = _____

2. What is the radius of the circle with Circumference 15cm?

Radius = _____

3. A rectangle has a perimeter 182 cm and length 52 cm. What is the width?

Width = _____

4. Alan drove 145 km to a city from his home. If he drove at a constant speed of 35 km/h, how much time did he take to drive to the city from his home?

Time = _____

Literal Equations and Formulas Assignment

Solve each equation for the value of y and find the value of y for the value of x given.

1. $-5x = 4y + 8$; $x = 0$

_____ $y = -2$ _____

2. $3y - 9x = 24$; $x = 3$

_____ $y = 17$ _____

3. $-4y = 5x + 8$; $x = 1$

_____ $y = -3/4$ _____

Solve each equation for the variable given.

1. $4p + qr = r - 3$; r

_____ $r = \frac{-4p-3}{q-1}$ _____

2. $3ab - 2bc = 12$; c

_____ $c = \frac{-6}{b} + \frac{3a}{2}$ _____

3. $-3(g - 2f) = 5g$; g

_____ $g = \frac{3f}{4}$ _____

4. $m = \frac{x+n}{p}$; x

_____ $x = pm - n$ _____

5. $d = f + fz$; z

_____ $z = \frac{d}{f} - 1$ _____

Literal Equations and Formulas Assignment

Solve each problem and round the answer to the nearest tenth. Use $\pi = 3.14$.

1. What is the length of a rectangle with width 14 cm and area 168 cm^2 ?

Length = 12 cm

2. What is the radius of the circle with Circumference 15cm?

Radius = 2.4 cm

3. A rectangle has a perimeter 182 cm and length 52 cm. What is the width?

Width = 39 cm

4. Alan drove 145 km to a city from his home. If he drove at a constant speed of 35 km/h, how much time did he take to drive to the city from his home?

Time = 4.1 hours