



The Top 10 Algebra 2 Problems

Every Parent Should Do With Their Child

Solve for x :

$$-3x + 17 = 38$$

Solve for x :

$$4(x - 1) = 11 - 6x$$

Solve for x :

$$\frac{1}{2}x + \frac{3}{4} = \frac{3}{5}$$

Solve for x :

$$x^2 + x - 30 = 0$$

Solve for x :

$$(x + 4)(x - 4) = 6x$$

Write the equation of the line passing through the points $(5, -1)$ and $(8, 11)$:

Write the equation of a parabola that opens up and has a vertex of $(-2, 7)$:

Multiply: $(x - 3)(x + 4)^2$

Solve for x :

$$\frac{3^2}{9^x} = 81$$

Solve the system of equations:

$$\begin{cases} 2x - 5y = 25 \\ -3x + 2y = -21 \end{cases}$$



Answer Key

$$x = -7$$

$$y = 4x - 21$$

or $y = -21 + 4x$

$$x = 1.5 \text{ or } \frac{3}{2}$$

$$y = (x + 2)^2 + 7$$

$$x = \frac{-3}{10}$$

$$x^3 + 5x^2 - 8x - 48$$

$$x = -6 \text{ and } 5$$

$$x = -1$$

$$x = 8 \text{ and } -2$$

$$(5, -3)$$