Example 2:

Solve the equation.

$$2a^2 + 26a = 0$$

Example 1:

Solve the equation.

$$(y - 2)(5y - 4) = 0$$

Example 4:

Solve the equation.

$$10b^2 - 14b + 4 = 0$$

Example 3:

Solve the equation.

$$m^2 - 10m + 21 = 0$$

Example 6:

Solve the equation.

$$x^3 + x^2 - 4x - 4 = 0.$$

Example 5:

Solve the equation.

$$4h^2 - 36 = 0$$

Solve the equation $(y - 2)(5y - 4) = 0$

Solve the equation $2a^2 + 26a = 0$

Solve the equation $m^2 - 10m + 21 = 0$

Solve the equation $10b^2 - 14b + 4 = 0$

Solve the equation $4h^2 - 36 = 0$

Solve the equation $x^3 + x^2 - 4x - 4 = 0$

Example 2:

Solve the equation.

$2a^2 + 26a = 0$

Example 1:

Solve the equation.

$(y - 2)(5y - 4) = 0$

Example 4:

Solve the equation.

$10b^2 - 14b + 4 = 0$

Example 3:

Solve the equation.

$m^2 - 10m + 21 = 0$

Example 6:

Solve the equation.

$x^3 + x^2 - 4x - 4 = 0.$

Example 5:

Solve the equation.

$4h^2 - 36 = 0$

Solve the equation $(y - 2)(5y - 4) = 0$

$(y - 2) = 0 \qquad (5y - 4) = 0$

$\boxed{y = 2} \qquad \boxed{y = \frac{4}{5}}$

Solve the equation $2a^2 + 26a = 0$

$(2a)(a + 13) = 0$

$2a = 0 \qquad a + 13 = 0$

$\boxed{a = 0} \qquad \boxed{a = -13}$

Solve the equation $m^2 - 10m + 21 = 0$

$(m - 7)(m - 3) = 0$

$m - 7 = 0 \qquad m - 3 = 0$

$\boxed{m = 7} \qquad \boxed{m = 3}$

Solve the equation $10b^2 - 14b + 4 = 0$

$2(5b^2 - 7b + 2) = 0$
$2(5b - 2)(b - 1) = 0$

$5b - 2 = 0 \qquad b - 1 = 0$

$\boxed{b = \frac{2}{5}} \qquad \boxed{b = 1}$

Solve the equation $4h^2 - 36 = 0$

$4(h^2 - 9) = 0$
$4(h + 3)(h - 3) = 0$

$h + 3 = 0 \qquad h - 3 = 0$

$\boxed{h = -3} \qquad \boxed{h = 3}$

Solve the equation $x^3 + x^2 - 4x - 4 = 0$

$(x^3 + x^2) + (-4x - 4) = 0$
$x^2(x + 1) - 4(x + 1) = 0$
$(x + 1)(x^2 - 4) = 0$
$(x + 1)(x + 2)(x - 2) = 0$

$\boxed{x = -1} \quad \boxed{x = -2} \quad \boxed{x = 2}$

Solving Polynomial Equations