

Name : _____

Solving Quadratic Equation by Factoring

① $x^2 + 5x - 35 = 3x$

② $2x^2 - 14 = -3x$

③ $x^2 = 11x - 28$

④ $x^2 + 17x + 49 = 3x$

⑤ $(4x + 5)(x + 1) = 0$

⑥ $x^2 = 2x$

⑦ $4x^2 = 8x$

⑧ $x^2 + 8x = -15$

Name : _____

Solving Quadratic Equation by Factoring

Answers

① $x^2 + 5x - 35 = 3x$

$\{-7, 5\}$

② $2x^2 - 14 = -3x$

$\{-\frac{7}{2}, 2\}$

③ $x^2 = 11x - 28$

$\{7, 4\}$

④ $x^2 + 17x + 49 = 3x$

$\{-7\}$

⑤ $(4x + 5)(x + 1) = 0$

$\{-\frac{5}{4}, -1\}$

⑥ $x^2 = 2x$

$\{2, 0\}$

⑦ $4x^2 = 8x$

$\{0, 2\}$

⑧ $x^2 + 8x = -15$

$\{-5, -3\}$