

Name: _____

Score: _____ Date: _____

Quadratic Equation

Solve the given quadratic equations.

① $10x^2 - 26x + 12 = 0$

② $3x^2 + 14x - 49 = 0$

③ $2x^2 + 3x - 20 = 0$

④ $x^2 + 3x - 4 = 0$

⑤ $x^2 - 9 = 0$

⑥ $x^2 - 6x - 16 = 0$

⑦ $x^2 + 6x - 10 = 30$

⑧ $4x^2 + 2x - 12 = 0$

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Answers

① $10x^2 - 26x + 12 = 0$

$\left\{\frac{3}{5}, 2\right\}$

② $3x^2 + 14x - 49 = 0$

$\left\{\frac{7}{3}, -7\right\}$

③ $2x^2 + 3x - 20 = 0$

④ $x^2 + 3x - 4 = 0$

$\left\{\frac{5}{2}, 0\right\}$

$\{-4, 1\}$

⑤ $x^2 - 9 = 0$

⑥ $x^2 - 6x - 16 = 0$

$\{-3, 3\}$

$\{8, -2\}$

⑦ $x^2 + 6x - 10 = 30$

⑧ $4x^2 + 2x - 12 = 0$

$\{4, -10\}$

$\left\{-2, \frac{3}{2}\right\}$
