

Name: _____

Solving Quadratic Equations by Factoring

① $6x^2 - 42x + 72 = 0$

② $-4q^2 - 8q - 3 = -3 - 5q^2$

③ $p(p + 2) = 99$

④ $7b^2 + 2b = 0$

⑤ $2c^2 - 9c + 4 = 0$

⑥ $15y^2 - 3y = 3 - 7y$

⑦ $(x - 4)^2 - 9 = 0$

⑧ $2x^2 + 7x + 5 = 0$

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Solving Quadratic Equations by Factoring

Answers

① $6x^2 - 42x + 72 = 0$

(3, 4)

② $-4q^2 - 8q - 3 = -3 - 5q^2$

(8, 0)

③ $p(p + 2) = 99$

(-11, 9)

④ $7b^2 + 2b = 0$

$(-\frac{2}{7}, 0)$

⑤ $2c^2 - 9c + 4 = 0$

$(\frac{1}{2}, 4)$

⑥ $15y^2 - 3y = 3 - 7y$

$(\frac{1}{3}, -\frac{3}{5})$

⑦ $(x - 4)^2 - 9 = 0$

(7, 1)

⑧ $2x^2 + 7x + 5 = 0$

$(-\frac{5}{2}, -1)$