

Name: \_\_\_\_\_ Score: \_\_\_\_\_

# Quadratic Equations Review Worksheet

Solve each equation by factoring.

①  $3x^2 + 14x - 49 = 0$

②  $10p^2 - 26p + 12 = 0$

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③  $l^2 - 7l - 8 = 0$

④  $8t^2 + 64t + 120 = 0$

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Solve each equation by completing the square.

⑤  $5^2 + 6s - 59 = 0$

⑥  $r^2 - 4r - 98 = 0$

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⑦  $3v^2 - 6v - 34 = 0$

⑧  $9y^2 - 12y + 13 = 0$

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# Quadratic Equations Review Worksheet

## Answers

①  $3x^2 + 14x - 49 = 0$

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

②  $10p^2 - 26p + 12 = 0$

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

③  $|^2 - 7| - 8 = 0$

$\{8, -1\}$

④  $8t^2 + 64t + 120 = 0$

$\{-5, -3\}$

⑤  $5^2 + 6s - 59 = 0$

$\{-3 + 2\sqrt{17}, -3 - 2\sqrt{17}\}$

⑥  $r^2 - 4r - 98 = 0$

$\{2 + \sqrt{102}, 2 - \sqrt{102}\}$

⑦  $3v^2 - 6v - 34 = 0$

$\left\{\frac{3 + \sqrt{111}}{7}, \frac{3 - \sqrt{111}}{7}\right\}$

⑧  $9y^2 - 12y + 13 = 0$

$\left\{\frac{2}{3} + i\right\} \left\{\frac{2}{3} - i\right\}$