

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

Score: \_\_\_\_\_ Date: \_\_\_\_\_

## Quadratic Formula Practice Worksheet

Solve each equation using the quadratic formula.

①  $3x^2 + x - 14 = 0$

\_\_\_\_\_

②  $x^2 + 3x - 10 = 0$

\_\_\_\_\_

③  $2x^2 - 6x - 36 = 0$

\_\_\_\_\_

④  $x^2 + 7x - 8 = 0$

\_\_\_\_\_

⑤  $2x^2 + 13x - 24 = 0$

\_\_\_\_\_

⑥  $x^2 - 5x - 14 = 0$

\_\_\_\_\_

⑦  $2x^2 - 7x - 3 = 0$

\_\_\_\_\_

⑧  $12x^2 + 9x - 20 = 0$

\_\_\_\_\_

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## Quadratic Formula Practice Worksheet

### Answers

①  $3x^2 + x - 14 = 0$

$\{2, -2\frac{1}{3}\}$

②  $x^2 + 3x - 10 = 0$

$\{2, -5\}$

③  $2x^2 - 6x - 36 = 0$

$\{6, -3\}$

④  $x^2 + 7x - 8 = 0$

$\{-8, 1\}$

⑤  $2x^2 + 13x - 24 = 0$

$\{-8, \frac{3}{2}\}$

⑥  $x^2 - 5x - 14 = 0$

$\{7, -2\}$

⑦  $2x^2 - 7x - 3 = 0$

$\{\frac{7 + \sqrt{73}}{4}, \frac{7 - \sqrt{73}}{4}\}$

⑧  $12x^2 + 9x - 20 = 0$

$\{\frac{-9 + \sqrt{1041}}{24}, \frac{-9 - \sqrt{1041}}{24}\}$