

Name : _____

Score : _____

Using The Quadratic Formula

Solve each equation using the quadratic formula.

① $2c^2 + 2c - 12 = 0$

② $x^2 + 5x + 6 = 0$

③ $x^2 - 3x - 40 = 0$

④ $8y^2 - 43y - 30 = 0$

⑤ $5x^2 + 9x + 4 = 0$

⑥ $2g^2 + 9g = -7$

⑦ $8b^2 = 30 + 43b$

⑧ $x^2 + 2x - 3 = 0$

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Using The Quadratic Formula

Answers

① $2c^2 + 2c - 12 = 0$

{2, -3}

② $x^2 + 5x + 6 = 0$

{-2, -3}

③ $x^2 - 3x - 40 = 0$

④ $8y^2 - 43y - 30 = 0$

{8, -5}

{ $-\frac{5}{8}$, 6}

⑤ $5x^2 + 9x + 4 = 0$

⑥ $2g^2 + 9g = -7$

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

{-1, $-\frac{7}{2}$ }

⑦ $8b^2 = 30 + 43b$

⑧ $x^2 + 2x - 3 = 0$

{ $-\frac{5}{8}$, 6}

{1, -3}