

Quadratic Formula

Date _____ Period _____

Solve each equation with the quadratic formula.

1) $m^2 - 2m - 120 = 0$

2) $3m^2 + 2m - 85 = 0$

3) $8b^2 - 12b + 2 = 0$

4) $12a^2 + 5a + 7 = 0$

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Solve each equation with the quadratic formula.

1) $m^2 - 2m - 120 = 0$

$\{12, -10\}$

2) $3m^2 + 2m - 85 = 0$

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

3) $8b^2 - 12b + 2 = 0$

$\left\{\frac{3 + \sqrt{5}}{4}, \frac{3 - \sqrt{5}}{4}\right\}$

4) $12a^2 + 5a + 7 = 0$

No solution.