

Assignment

Date _____ Period _____

What is the quadratic formula?**Solve each equation with the quadratic formula.**

1) $v^2 - 49 = 0$

2) $3x^2 = 114 + x$

3) $10m^2 - 10 = m$

4) $n^2 - 9n = -13$

5) $2m^2 + 11 = -4m$

6) $m^2 = 9$

7) $a^2 - 28 = -3a$

8) $2b^2 = 7 - 5b$

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Date _____ Period _____

What is the quadratic formula?**Solve each equation with the quadratic formula.**

1) $v^2 - 49 = 0$

$\{7, -7\}$

2) $3x^2 = 114 + x$

$\{6.333, -6\}$

3) $10m^2 - 10 = m$

$\{1.051, -0.951\}$

4) $n^2 - 9n = -13$

$\{7.193, 1.807\}$

5) $2m^2 + 11 = -4m$

No solution.

6) $m^2 = 9$

$\{3, -3\}$

7) $a^2 - 28 = -3a$

$\{4, -7\}$

8) $2b^2 = 7 - 5b$

$\{1, -3.5\}$