

## Lesson 10 Assignment Quadratic Formula

Date \_\_\_\_\_ Period \_\_\_\_\_

1) What is the quadratic formula???

**Solve each equation with the quadratic formula.**

2)  $2x^2 + 3x + 1 = 0$

3)  $3n^2 + 3n - 9 = 0$

4)  $2x^2 + 3x - 5 = 0$

5)  $7n^2 - 2n - 18 = -5$

6)  $4p^2 + 8p - 10 = -5$

7)  $b^2 - b + 1 = -3$

$$8) 4a^2 - 13 = -a$$

$$9) 5x^2 - 14 = 7x$$

$$10) 5n^2 - 13 = -5n$$

$$11) 3n^2 + 2n + 5 = 0$$

$$12) 3k^2 - 26 = -7k$$

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Date \_\_\_\_\_ Period \_\_\_\_\_

1) What is the quadratic formula???

The dot next to the choice indicates that it is the answer.

**Solve each equation with the quadratic formula.**

2)  $2x^2 + 3x + 1 = 0$

$\{-0.5, -1\}$

3)  $3n^2 + 3n - 9 = 0$

$\{1.303, -2.303\}$

4)  $2x^2 + 3x - 5 = 0$

$\{1, -2.5\}$

5)  $7n^2 - 2n - 18 = -5$

$\{1.513, -1.227\}$

6)  $4p^2 + 8p - 10 = -5$

$\{0.5, -2.5\}$

7)  $b^2 - b + 1 = -3$

No solution.

$$8) 4a^2 - 13 = -a$$

$$\{1.682, -1.932\}$$

$$9) 5x^2 - 14 = 7x$$

$$\{2.514, -1.114\}$$

$$10) 5n^2 - 13 = -5n$$

$$\{1.188, -2.188\}$$

$$11) 3n^2 + 2n + 5 = 0$$

No solution.

$$12) 3k^2 - 26 = -7k$$

$$\{2, -4.333\}$$