

Quadratic Formula HW-2

Date _____ Due: _____

1) What is the Quadratic Formula?

Solve each equation with the quadratic formula.

2) $8v^2 - 7v - 4 = 8$

3) $3p^2 + 8p + 5 = 7$

4) $10v^2 + 11v - 31 = -11$

5) $6x^2 = 3x + 3$

6) $6x^2 = 14$

7) $9n^2 - 3n = 5$

8) $-7x^2 + 3x - 48 = -7x - 9x^2$

9) $k^2 - 10k - 33 = -3k - k^2 - 11$

$$10) 9n^2 - 3n = 14$$

Solve each equation by taking square roots.

$$11) 10n^2 + 2 = 642$$

$$12) 5n^2 - 3 = 222$$

$$13) a^2 - 2 = 7$$

$$14) k^2 - 7 = -8$$

Solve each equation by factoring.

$$15) (n - 2)(n - 8) = 0$$

$$16) a^2 + 2a - 15 = 0$$

Solve using your own method

$$17) 11b^2 + 6b = -8$$