

Solving Quadratics: Quadratic Formula HW-1

Date _____ DUE _____

Solve each equation with the quadratic formula.

1) $x^2 + 11 = 0$

2) $6n^2 + 4n - 3 = 0$

3) $7k^2 + 8k = 19$

4) $8x^2 - x = 6$

5) $9x^2 = 6x + 21$

6) $10k^2 - 7k = -9$

$$7) 4k^2 - 9 = -5$$

$$8) 10n^2 - 2n - 7 = -9n$$

$$9) 3v^2 - 12v - 34 = -v$$

$$10) 2k^2 + k = 2 - 4k^2$$

Solve each equation by taking square roots.

$$11) 7b^2 - 4 = 199$$

$$12) 4n^2 - 7 = 365$$