

HW #4 Solving Quadratics by Factoring

Date _____

Solve each equation by factoring.

1) $(3p + 5)(p + 5) = 0$

2) $5(k - 6)(2k - 7) = 0$

3) $n(n + 8) = 0$

4) $k(2k - 7) = 0$

5) $x^2 - 11x + 30 = 0$

6) $k^2 - 9k + 14 = 0$

7) $7x^2 - 14x - 245 = 0$

8) $x^2 + 8x - 7 = -7$

$$9) 2x^2 + 32x + 124 = -4$$

$$10) 2n^2 - 4n - 2 = 4$$

$$11) 7x^2 - 27x - 4 = 0$$

$$12) 14m^2 - 39m + 10 = 0$$

$$13) 3n^2 + 10n + 8 = 0$$

$$14) 3x^2 - 25x + 30 = 2$$

$$15) 5v^2 - 7v - 5 = -7$$

$$16) 4n^2 - 7n + 5 = 2$$