

Week 8 Homework

Date _____ Period _____

Solve each general form equation by factoring and write in factored form.

1) $n^2 - 2n - 3 = 0$

2) $x^2 - 15x + 56 = 0$

3) $r^2 + 2r = 0$

4) $r^2 - 8r + 7 = 0$

5) $m^2 - 2m - 35 = 0$

6) $m^2 + 10m + 16 = 0$

7) $v^2 - 9v + 18 = 0$

8) $v^2 + v - 12 = 0$

$$9) \ n^2 - 12n + 35 = 0$$

$$10) \ p^2 - 7p + 6 = 0$$

Solve each equation by completing the square.

$$11) \ n^2 + 20n + 88 = 0$$

$$12) \ v^2 - 10v - 11 = 0$$

$$13) \ x^2 - 18x - 3 = 0$$

$$14) \ 8a^2 + 16a - 64 = 0$$

$$15) \ 10n^2 - 20n - 80 = 0$$

$$16) \ 3x^2 + 6x - 72 = 0$$