

### Solving Equations with Factoring Worksheet

Solve each equation by factoring.

1.  $(k+1)(k-5) = 0$

2.  $(a+1)(a+2) = 0$

3.  $(4k+5)(k+1) = 0$

4.  $(2m+3)(4m+3) = 0$

5.  $x^2 - 11x + 24 = 0$

6.  $n^2 + 7n + 10 = 0$

7.  $n^2 - 10n + 24 = 0$

8.  $n^2 + 3n - 12 = 6$

9.  $x^2 + 11x + 35 = 7$

10.  $t^2 - 5t - 44 = -8$

11.  $n^2 + 8n = -15$

12.  $7r^2 - 14r = -7$

13.  $5x^2 - 44x + 120 = -30 + 11x$

14.  $b^2 + 5b - 35 = 3b$

15.  $3r^2 - 16r - 7 = 5$

16.  $7k^3 - 6k + 3 = 3$