

Solving Quadratic Equations by Factoring

Solve each equation by factoring.

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

$\{-1, 5\}$

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

$\{-1, -2\}$

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

$\left\{-\frac{5}{4}, -1\right\}$

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

$\left\{-\frac{3}{2}, -\frac{3}{4}\right\}$

5) $x^2 - 11x + 19 = -5$

$\{3, 8\}$

6) $n^2 + 7n + 15 = 5$

$\{-5, -2\}$

7) $n^2 - 10n + 22 = -2$

$\{6, 4\}$

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

$\{3, -6\}$

9) $6n^2 - 18n - 18 = 6$

$\{4, -1\}$

10) $7r^2 - 14r = -7$

$\{1\}$