

Factoring Quadratics

Solve each equation by factoring.

1) $8(n - 5)(n + 2) = 0$

2) $(x - 7)^2 = 0$

3) $(3m - 2)(m + 7) = 0$

4) $2(2r - 3)(7r - 4) = 0$

5) $m^2 + 8m + 12 = 0$

6) $x^2 + 4x - 12 = 0$

7) $r^2 - 5r - 14 = 0$

8) $x^2 - 36 = 0$

9) $7x^2 - 56x + 49 = 0$

10) $7b^2 + 49b + 42 = 0$

11) $8b^2 + 45b - 18 = 0$

12) $3x^2 - x - 4 = 0$

13) $6v^2 + 29v + 20 = 0$

14) $5x^2 + 37x - 24 = 0$

15) $6k^2 - 38k + 56 = 0$

16) $40x^2 - 24x - 16 = 0$