

Solve by factoring**Solve each equation by factoring.**

1) $x^2 - 2x - 48 = 0$

2) $x^2 - 7x + 12 = 0$

3) $n^2 - 11n + 28 = 0$

4) $r^2 + 2r - 24 = 0$

5) $r^2 - 4r - 32 = 0$

6) $a^2 + 6a - 7 = 0$

7) $x^2 + 4x - 21 = 0$

8) $b^2 - 4b - 21 = 0$

9) $x^2 - x - 42 = 0$

10) $n^2 - 6n + 8 = 0$

11) $3v^2 = -8v$

12) $4r^2 = 21 + 5r$

13) $5x^2 = -24 - 43x$

14) $5n^2 - 20 = -21n$

15) $4x^2 = -7 - 29x$