

Solving Quadratic EQs by Factoring ( $x^2+bx+c$ )

Solve each equation by factoring.

1)  $x^2 + 2x - 8 = 0$

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

5)  $a^2 + 3a - 40 = 0$

7)  $x^2 - 9x + 1 = -7$

9)  $v^2 - 5v + 12 = 8$

11)  $n^2 + 6n = 7$

13)  $x^2 = 5x$

15)  $x^2 - 12 = 4x$

17)  $m^2 - 7m - 39 = -7 - 3m$

19)  $-4b^2 + 2b - 5 = -1 - 5b^2 - b$

2)  $n^2 + 5n = 0$

4)  $n^2 - n - 30 = 0$

6)  $v^2 + 4v - 17 = -5$

8)  $n^2 - 13n + 36 = -4$

10)  $r^2 + 7r + 8 = 8$

12)  $n^2 = n$

14)  $x^2 = -7x$

16)  $5n^2 - 3n = 4n^2$

18)  $a^2 + 7a - 42 = 6a$

20)  $n^2 = 5n$