

Solve each equation by completing the square.

1) $p^2 + 14p - 38 = 0$

$$\{-7 + \sqrt{87}, -7 - \sqrt{87}\}$$

2) $v^2 + 6v - 59 = 0$

$$\{-3 + 2\sqrt{17}, -3 - 2\sqrt{17}\}$$

3) $a^2 + 14a - 51 = 0$

$$\{3, -17\}$$

4) $x^2 - 12x + 11 = 0$

$$\{11, 1\}$$

5) $x^2 + 6x + 8 = 0$

$$\{-2, -4\}$$

6) $n^2 - 2n - 3 = 0$

$$\{3, -1\}$$

7) $x^2 + 14x - 15 = 0$

$$\{1, -15\}$$

8) $k^2 - 12k + 23 = 0$

$$\{6 + \sqrt{13}, 6 - \sqrt{13}\}$$