

Completing the Square Extra Practice

Solve each equation by completing the square.

1) $n^2 + 4n - 39 = 0$

2) $r^2 - 4r - 95 = 0$

3) $n^2 - 4n - 93 = 0$

4) $b^2 - 10b - 7 = 0$

5) $x^2 - 20x + 82 = 0$

6) $n^2 + 18n - 4 = 0$

Answers to Completing the Square Extra Practice

- 1) $\{-2 + \sqrt{43}, -2 - \sqrt{43}\}$ 2) $\{2 + 3\sqrt{11}, 2 - 3\sqrt{11}\}$ 3) $\{2 + \sqrt{97}, 2 - \sqrt{97}\}$
4) $\{5 + 4\sqrt{2}, 5 - 4\sqrt{2}\}$ 5) $\{10 + 3\sqrt{2}, 10 - 3\sqrt{2}\}$ 6) $\{-9 + \sqrt{85}, -9 - \sqrt{85}\}$