

Complete the Square

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Solve each equation by completing the square.

1) $n^2 - 8n - 48 = 0$

2) $b^2 - 16b - 80 = 0$

3) $x^2 - 12x + 27 = 0$

4) $x^2 + 16x + 15 = 0$

5) $x^2 + 2x - 104 = -5$

6) $b^2 - 20b - 29 = -8$

7) $a^2 - 18a + 47 = -9$

8) $x^2 - 10x - 31 = 8$

9) $3n^2 + 18n - 21 = 0$

10) $6p^2 - 12p - 48 = 0$

11) $2r^2 + 4r - 99 = -3$

12) $6v^2 + 12v - 92 = -2$