

14-05-14-T8

Solve each equation by completing the square.

1)  $2v^2 - 1 = 2v$

2)  $3m^2 - 2m - 3 = -m + m^2$

3)  $2b^2 - 8 = -2b$

4)  $2n^2 - 7 = -2 + 2n$

5)  $x^2 + 2x = 7 - 2x^2$

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

7)  $5r^2 + 6r - 5 = 2 + 2r + 2r^2$

8)  $2n^2 - 4n + 1 = n - n^2$

9)  $3x^2 + 2x - 8 = -2$

10)  $3x^2 + x = 2 - x$

11)  $3p^2 - 2 = -p$

12)  $2a^2 - a - 7 = -3$

