

Practice at Factorising 2nd Order Expressions - ANSWERS

1. $x^2 + 2x + 1 = (x + 1)^2$

2. $x^2 + 7x + 12 = (x + 3)(x + 4)$

3. $x^2 - 8x + 12 = (x - 2)(x - 6)$

4. $x^2 - x - 12 = (x + 3)(x - 4)$

5. $x^2 - 3x - 10 = (x - 5)(x + 2)$

6. $6x^2 - 3x = 3x(2x - 1)$

7. $x^2 - 16 = (x - 4)(x + 4)$

8. $4x^2 - 36 = 4(x^2 - 9) = 4(x + 3)(x - 3)$

9. $8x^2 - 10x - 3 = (2x - 3)(4x + 1)$

10. $6x^2 - 16x - 6 = 2(3x^2 - 8x - 3) = 2(3x + 1)(x - 3)$