EXPANDING DOUBLE BRACKETS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1. $(x + 2)(x + 3)$

2. $(x + 4)(x + 1)$

3. $(x + 5)(x + 2)$

4. $(x + 3)(x + 7)$

5. $(x + 6)(x + 4)$

6. $(x - 2)(x - 3)$

7. $(x - 4)(x - 1)$

8. $(x - 5)(x - 2)$

9. $(x - 3)(x - 7)$

10. $(x - 6)(x - 4)$

11. $(x + 3)(x - 2)$

12. $(x + 5)(x - 3)$

13. $(x + 7)(x - 4)$

14. $(x - 3)(x + 2)$

15. $(x - 5)(x + 3)$

16. $(x - 7)(x + 4)$

17. $(2x + 1)(x + 3)$

18. $(3x + 2)(x + 4)$

19. $(4x + 3)(2x + 1)$

20. $(5x + 2)(3x + 4)$

21. $(2x - 1)(x - 3)$

22. $(3x - 2)(x - 4)$

23.

$(4x - 3)(2x - 1)$

24.

$(5x - 2)(3x - 4)$

25.

$(2x + 1)(x - 3)$

26.

$(3x + 2)(x - 4)$

27.

$(4x + 3)(2x - 1)$

28.

$(5x + 2)(3x - 4)$

29.

$(2x - 1)(x + 3)$

30.

$(3x - 2)(x + 4)$

31.

$(4x - 3)(2x + 1)$

32.

$(5x - 2)(3x + 4)$

33.

$(3x + 2)(3x + 2)$

34.

$(4x - 1)(4x - 1)$

35.

$(2x + 5)(2x - 5)$

36.

$(3x + 4)(3x - 4)$

37.

$(5x + 7)(5x - 7)$

38.

$(2x + 3y)(x + 2y)$

39.

$(3x - 2y)(2x - y)$

40.

$(4x + y)(3x - 2y)$

MASTER QUESTIONS

M1.

A rectangle has length $(x + 5)$ cm and width $(x + 3)$ cm. Find the expanded expression for its area.

M2.

The area of a square garden is given by $(x + 4)^2$. Expand this expression.

M3.

A rectangular field has dimensions $(2x + 3)$ m by $(x - 2)$ m. Calculate its area in expanded form.

M4.

The product of two consecutive numbers can be written as (x)(x + 1). Expand this expression.

M5.

A box has length (3x + 2) cm, width (2x - 1) cm, and height (x + 4) cm. Find the expanded expression for its volume.