EXPANDING ONE AND TWO BRACKETS

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

MAIN QUESTIONS

1. Expand $3(x + 4)$ | $3x + 12$

2. Expand $-2(y - 5)$ | $-2y + 10$

3. Expand $4a(3a - 2b)$ | $12a^2 - 8ab$

4. Expand $(x + 3)(x + 2)$ | $x^2 + 5x + 6$

5. Expand $(2y - 1)(y + 4)$ | $2y^2 + 7y - 4$

6. Expand $(3x - 2)(2x - 5)$ | $6x^2 - 19x + 10$

7. Expand $(a + b)(a - b)$ | $a^2 - b^2$

8. Expand $(2x + 3)^2$ | $4x^2 + 12x + 9$

9. Expand $(x + 2)(x^2 - 3x + 1)$ | $x^3 - x^2 - 5x + 2$

10. Expand $(2a - 3b)(3a^2 + ab - 2b^2)$ | $6a^3 - 7a^2b - 7ab^2 + 6b^3$

MASTER QUESTIONS

M1. A rectangular garden has length $(x + 5)$ metres and width $(x + 3)$ metres. Write an expression for the area and expand it fully. | $x^2 + 8x + 15$ square metres