The questions in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed

Multiplying out Brackets   (Non Calculator)

Multiply out and simplify:

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

3. $(2x + 1)(x^2 - 3x + 4)$ 4. $(x - 2)(x^2 + 5x + 2)$

5. $(x - 5)(x^2 - 3x - 10)$ 6. $(2x + 3)(x^2 - 4x + 3)$

7. $(3x - 1)(2x^2 + 4x - 1)$ 8. $(x - 1)(x^2 - 7x + 6)$

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

APPLYING QUESTION

Multiply out and simplify:

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

(b) $(x + 2)(x - 1)^2$

(c) $(2x - 3)^3$