

Triple Brackets Algebra Worksheet

1. Expand and simplify: $(x + 2)(x - 3)(x + 5)$
2. Expand and simplify: $(2x - 1)(x + 4)(x - 2)$
3. Expand and simplify: $(x + 3)(x + 2)(x - 1)$
4. Expand and simplify: $(x - 5)(x + 2)(x + 1)$
5. Expand and simplify: $(x - 4)(x - 1)(x + 3)$
6. Expand and simplify: $(2x + 1)(x - 2)(x + 2)$
7. Expand and simplify: $(x + 6)(x - 2)(x - 3)$
8. Expand and simplify: $(x - 7)(x + 3)(x + 2)$
9. Expand and simplify: $(x + 1)(x + 2)(x + 3)$
10. Expand and simplify: $(3x - 2)(x + 5)(x - 1)$

Maths with Melissa

Answer Key

1. $(x + 2)(x - 3)(x + 5) = x^3 + 4x^2 - 11x - 30$

2. $(2x - 1)(x + 4)(x - 2) = 2x^3 + 3x^2 - 18x + 8$

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

4. $(x - 5)(x + 2)(x + 1) = x^3 - 2x^2 - 13x - 10$

5. $(x - 4)(x - 1)(x + 3) = x^3 - 2x^2 - 11x + 12$

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

7. $(x + 6)(x - 2)(x - 3) = x^3 + x^2 - 24x + 36$

8. $(x - 7)(x + 3)(x + 2) = x^3 - 2x^2 - 17x - 42$

9. $(x + 1)(x + 2)(x + 3) = x^3 + 6x^2 + 11x + 6$

10. $(3x - 2)(x + 5)(x - 1) = 3x^3 + 10x^2 - 23x + 10$