

Expanding Triple Brackets *fluency*



Expand and simplify

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

2 $(x + 1)(x + 4)(x + 5)$

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

4 $(x + 3)(x + 1)(x + 6)$

5 $(x + 5)(x + 1)(x + 2)$

6 $(x + 2)(x + 4)(x + 3)$



Expand and simplify

7 $(x - 1)(x + 2)(x + 3)$

8 $(x + 4)(x - 2)(x + 1)$

9 $(x - 3)(x - 1)(x + 2)$

10 $(x - 5)(x + 2)(x - 1)$

11 $(x - 2)(x - 3)(x - 4)$

12 $(x + 6)(x - 1)(x - 2)$



Expand and simplify

13 $(x + 2)^2(x + 1)$

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

15 $(x + 1)^3$

16 $(x - 2)^3$

17 $(x + 4)(x - 4)(x + 1)$

18 $(x - 5)^2(x - 1)$



Expand and simplify

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

20 $(3x - 1)(x + 1)(x - 2)$

21 $(x + 4)(2x - 3)(x - 1)$

22 $(2x + 1)(2x - 1)(x + 5)$

23 $(2x - 1)^2(x + 3)$

24 $(3x + 2)(x - 4)(x + 2)$



Expand and simplify

25 $(2x + 1)(3x - 2)(x + 4)$

26 $(2x + 3)^3$

27 $(2x - 1)(3x + 1)(2x + 5)$

28 $(1 - x)(2 + x)(3 - x)$

29 $(x + y)(x - y)(x + 2y)$

30 $(3x - 2)(2x + 1)^2$