

Expansion of two brackets

Worked out example

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

Here we can see the two terms inside the brackets. So we will get 4 terms after expansion.

$$(x + 2)(x - 4) \quad (\text{Each terms will be multiplied})$$

$$x^2 - 4x + 2x - 8 \quad (\text{Here } -4x + 2x = -2x)$$

$$x^2 - 2x - 8$$

Expand the following brackets.

1) $(x+3)(x+5)$

= _____

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

= _____

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

= _____

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

= _____

9) $(x+7)(x-7)$

= _____

11) $(y+11)(y-11)$

= _____

13) $(x+4)^2$

= _____

15) $(x-5)^2$

= _____

17) $(x+6)^2$

= _____

2) $(x+7)(x+9)$

= _____

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

= _____

6) $(x-5)(x-8)$

= _____

8) $(x+5)(x-5)$

= _____

10) $(x+9)(x-9)$

= _____

12) $(t+12)(t-12)$

= _____

14) $(x+7)^2$

= _____

16) $(x-9)^2$

= _____