

Expanding double brackets

1. Expand and simplify $(x + 7)(x + 6)$.

(2 marks)

2. Expand and simplify $(x + 8)(x + 3)$.

(2 marks)

3. Expand and simplify $(x - 5)(x + 7)$.

(2 marks)

4. Expand and simplify $(y - 5)(y - 4)$.

(2 marks)

Expanding double brackets

5. Expand and simplify $(x - 9)^2$.

(2 marks)

6. Expand and simplify $(2x + 1)(2x + 2)$.

(2 marks)

7. Expand and simplify $(3y - 1)(y + 10)$

(2 marks)

8. Expand and simplify $(5x - 3)(3x - 7)$.

(2 marks)

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9. Expand and simplify $(3x + 4)^2$.

(2 marks)

10. Expand and simplify $(7y - 2)^2$.

(2 marks)

11. Expand and simplify $(5 + k)(2 + k)$.

(2 marks)

12. Expand and simplify $(7 - x)(3 - x)$.

(2 marks)

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13. Expand and simplify $(x + 2)(x + 3) + (x + 5)(x + 7)$.

(3 marks)

14. Expand and simplify $(x + 7)(x - 3) - (x + 9)(x - 4)$.

(3 marks)

15. Expand and simplify
 $(2x - 5)(2x - 4) - (3x + 2)(x - 5)$.

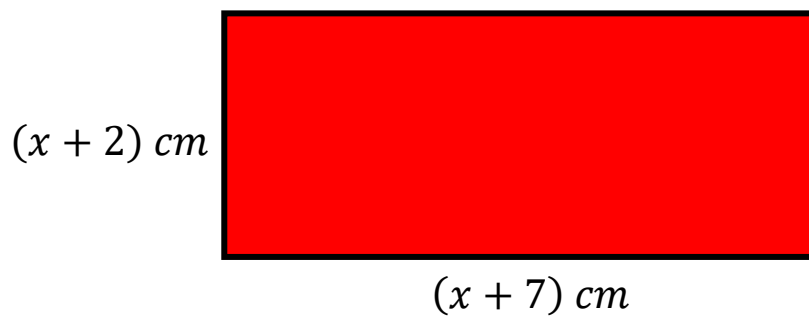
(3 marks)

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16. Expand and simplify $(x^2 + 8)(x^2 - 5)$.

(3 marks)

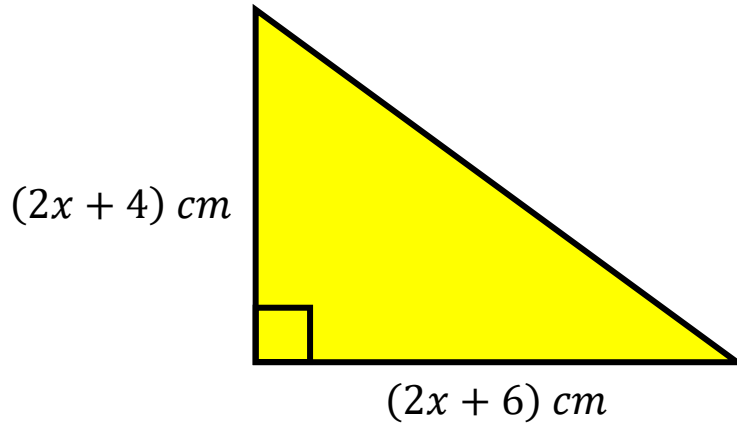
17. A rectangle is shown below.
Find an expression for the area of the rectangle.



(3 marks)

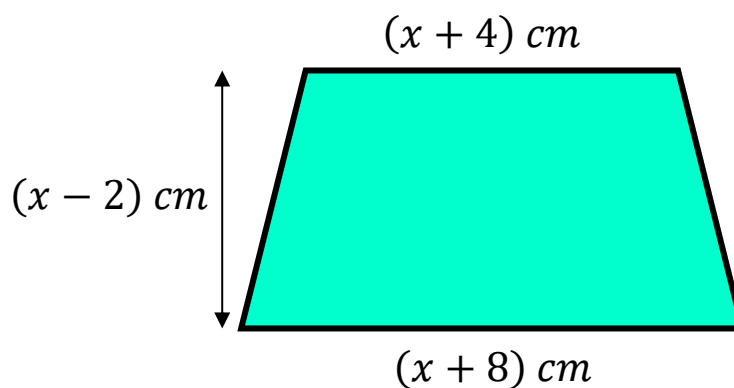
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18. A right angled triangle is shown below.
Find an expression for the area of the triangle.



(4 marks)

19. Below is a trapezium.
Find an expression for the area of the trapezium.



(4 marks)