



SCAN ME

# Expanding Triple Brackets



SCAN ME

← REVISE THIS TOPIC

CHECK YOUR ANSWERS →

1 Expand and simplify  $(x + 1)(x + 2)(x + 5)$  [3 marks]

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Answer \_\_\_\_\_

2 Expand and simplify  $(x + 3)(x + 4)(x + 6)$  [3 marks]

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Answer \_\_\_\_\_

3 Expand and simplify  $(x + 5)(x - 2)(x + 1)$  [3 marks]

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Answer \_\_\_\_\_





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

[3 marks]

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Answer \_\_\_\_\_

5 Expand and simplify  $(y - 2)(y - 2)(y - 4)$

[3 marks]

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Answer \_\_\_\_\_

6 Expand and simplify  $(x + 5)(x + 3)^2$

[3 marks]

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Answer \_\_\_\_\_





7 Expand and simplify  $(x + 10)(x - 6)^2$  [3 marks]

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Answer \_\_\_\_\_

8 Expand and simplify  $(h - 5)^3$  [3 marks]

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Answer \_\_\_\_\_

9 Expand and simplify  $(x + 12)(x - 2)(x + 2)$  [3 marks]

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Answer \_\_\_\_\_

Turn over ►





10 Expand and simplify  $(2x + 1)(x - 3)(x - 1)$  [3 marks]

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Answer \_\_\_\_\_

11 Expand and simplify  $(3p + 2)(2p + 1)(p + 5)$  [3 marks]

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Answer \_\_\_\_\_

12 Expand and simplify  $(3x + 1)(2x - 1)(4x - 1)$  [3 marks]

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Answer \_\_\_\_\_





13 Show that  $(3x + 1)(3x - 1)(2x + 3)$  can be written in the form  $ax + bx^2 + cx + d$  where  $a, b, c$  and  $d$  are all integers. [3 marks]

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Answer \_\_\_\_\_

14 Show that  $(5x + 1)(x - 3)(x - 2) - (x + 2)^2$  can be written in the form  $ax + bx^2 + cx + d$  where  $a, b, c$  and  $d$  are all integers. [6 marks]

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Answer \_\_\_\_\_

Turn over ►



