



Expanding Triple Brackets

Exam Style Questions

1. Expand and simplify $(x + 1)(x + 2)(x + 3)$

..... (3 marks)

2. Expand and simplify $(2x - 1)(x + 2)(x - 5)$

..... (3 marks)

3. Expand and simplify $(3x - 1)(2x + 1)(x - 4)$

..... (3 marks)



JP Maths Revision

4. Expand and simplify $(7x - 1)(x - 3)(2x - 5)$

..... (3 marks)

5. Expand and simplify $2(x - 1)(x + 1)^2$

..... (3 marks)

6. Expand and simplify $(x - 1)^3$

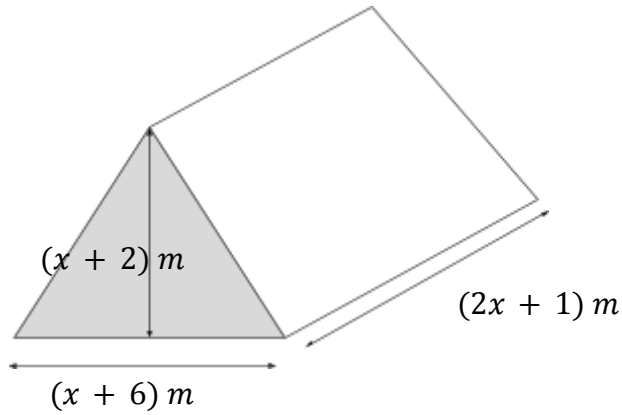
..... (3 marks)



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7. Below is a triangular prism with base $(x + 6) m$, height $(x + 2) m$ and width $(2x + 1) m$. Show that the volume, V , of the triangular prism is

$$V = (x^3 + 8.5x^2 + 16x + 6) m^3.$$



(4 marks)
