

Expanding Triple Brackets



REVISE THIS TOPIC

CHECK YOU'R **ANSWERS**



1st	Answer	
3	Expand and simplify $(x + 5)(x - 2)(x + 1)$	[3 marks]
	Answer	
2	Expand and simplify $(x + 3)(x + 4)(x + 6)$	[3 marks]
	Answer	
1	Expand and simplify $(x + 1)(x + 2)(x + 5)$	[3 marks]



4	Expand and simplify $(x-3)(x-4)(x+2)$	[3 marks]
	Answer	
5	Expand and simplify $(y-2)(y-2)(y-4)$	[3 marks]
	Answer	
6	Expand and simplify $(x + 5)(x + 3)^2$	[3 marks]
	Answer	







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7	Expand and simplify	$(x+10)(x-6)^2$	[3 marks]
	Δr	nswer	
8	Expand and simplify	$(h-5)^3$	[3 marks]
	Ar	nswer	
9	Evpand and simplify	(x + 12)(x - 2)(x + 2)	[2 marks]
9	Expand and simplify	(x + 12)(x - 2)(x + 2)	[3 marks]



Solutions



Answer

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10	Expand and simplify	(2x+1)(x-3)(x-1)	[3 marks]
	An	swer	
11	Expand and simplify	(3p + 2)(2p + 1)(p + 5)	[3 marks]
	An	swer	
12	Expand and simplify	(3x+1)(2x-1)(4x-1)	[3 marks]
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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]
14	Answer	[6 marks]

1st

Solutions

Turn over ▶

Answer_



15	$(x + 4)(x + 3)(x - 1) - (x + 2)(x - 2)(x + 5) \equiv (x + a)(x + b)$

Given that a > b, work out the values of a and b.

[8 marks]

a = ______ *b* = _____



