

Q1. (2020)

Q	Answer	Mark	Comments
29	$(x - 4)^3$	B1	$(x + 4)^3$ is B0
	$x^2 - 4x - 4x + 16$ with 3 terms correct or $x^2 - 8x + k$ where k is a non-zero constant	M1	ft $(x + 4)^3$ only
	$x^3 - 4x^2 - 4x^2 + 16x - 4x^2 + 16x + 16x - 64$ (+ 6) or $x^3 - 8x^2 + 16x - 4x^2 + 32x - 64$ (+ 6) or $x^3 - 12x^2 + 48x - 64$ (+ 6)	M1dep	oe full expansion of their 4 terms by $(x - 4)$ with at least 4 terms correct or full expansion of their 3 terms by $(x - 4)$ with at least 3 terms correct ft $(x + 4)^3$ only
	$x^3 - 12x^2 + 48x - 58$	A1	
	Additional Guidance		
Using $(x + 4)^3$ can score a maximum of B0M1M1A0 $x^2 + 4x + 4x + 16$ with 3 terms correct or $x^2 + 8x + k$ where k is a non-zero constant $x^3 + 4x^2 + 4x^2 + 16x + 4x^2 + 16x + 16x + 64$ (+ 6) or $x^3 + 8x^2 + 16x + 4x^2 + 32x + 64$ (+ 6) or $x^3 + 12x^2 + 48x + 64$ or $x^3 + 12x^2 + 48x + 70$			B0M1 B0M1M1A0

Q2. (2022)

Q	Answer	Mark	Comments
16	A	B1	accept letter or graph circled