Q	Marking instructions	AO	Marks	Typical solution
9	Expands at least one of $(3n + 4)^2$ or $(3n - 4)^2$ correctly Or Uses difference of two squares to obtain at least one correct factor	1.1a	M1	$(3n + 4)^2 - (3n - 4)^2$ $= 9n^2 + 24n + 16 - 9n^2 + 24n - 16$ $= 48n$ $= 12(4n)$ which is a multiple of 12 for all integer values of n
	Obtains $48n$ or $12(4n)$ or $(6n)(8)$	1.1b	A1	
	Completes a reasoned argument to show that $(3n + 4)^2 - (3n - 4)^2$ is a multiple of 12 for all integer values of n	2.1	R1	
	Question 9 Total		**3**	