

Q	Marking instructions	AO	Mark	Typical solution
8(a)	Obtains one correct value	1.1b	B1	$P(3) = 27$ $P(10) = 1000$
	Obtains both correct values	1.1b	B1	
8(b)	Forms cubic equation replacing $P(n) = n^3$ (condone k^3) PI correct answer	2.5	M1	$n^3 = 1.25 \times 10^8$ $n = 500$
	Obtains 500 CSO	1.1b	A1	
	Total		4	