

Q	Marking instructions	AO	Marks	Typical solution
6	Takes logs to base 5 of both sides. Condone use of any base.	1.1a	M1	Take logs $2x + 4 = \log_5 9$ $2x + 4 = 2 \log_5 3$ $x = -2 + \log_5 3$
	Writes $\log_a 9$ as $2 \log_a 3$ OE	1.1b	B1	
	Obtains correct simplified answer PI by $a = -2$ and $b = 3$	1.1b	A1	
	Total		3	