Question number	Scheme	Marks
8	$\log_x 3 = \dfrac{1}{1\log_3 x}$	B1
	Let $y = \log_3 x$	
	So $y - \dfrac{2}{y} = 1$	M1
	$y^2 - y - 2 = 0$	A1
	$(y-2)(y+1) = 0$	M1
	$\log_3 x = 2$ or $\log_3 x = -1$	M1
	$x = 9$ or $x = \dfrac{1}{3}$	A1 A1
		[7]

	Notes
B1	For use of $\log_a x = \dfrac{1}{\log_b a}$
M1	For $y - \dfrac{2}{y} = 1$ oe
A1	For rearranging to a 3 TQ
M1	For solving the 3 TQ
M1	For either $\log_3 x = 2$ or $\log_3 x = -1$
A1	For $x = 9$
A1	For $x = \dfrac{1}{3}$