Question	Scheme	Marks	AOs
4	e.g.		
	$\log_2(x+2) + \log_2(x+3) = \log_2(x+2)(x+3)$	B1	1.2
	$2\log_2 x = \log_2 x^2$		
	$\log_2(x+2)(x+3) - \log_2 x^2 = \log_2 2$		
	$\Rightarrow \log_2 \frac{(x+2)(x+3)}{x^2} = \log_2 2 \Rightarrow (x+2)(x+3) = 2x^2$	M1	2.1
	$x^2 - 5x - 6 = 0 \Longrightarrow x = -1, 6$	dM1	1.1b
	x=6	A1	2.3
		(4)	
			marks)
Notes			
B1: Recalls at least one rule of logs correctly (but not for just $1 = \log_2 2$)			
M1: Applies a correct strategy including the use of $1 = \log_2 2$ to remove the logs to obtain a			
quadratic equation in x dM1: Solves the resulting 3TQ (may only see the positive root) A1: This is for $x = 6$ only and no other values offered or not clearly rejected			