

Question		Answer	Marks	AO	Guidance
2		$x^2 - x - 12 = (x - 4)(x + 3)$	<b>B1</b>	<b>1.1a</b>	both factors seen
		$\frac{5x + 1}{x^2 - x - 12} = \frac{A}{x - 4} + \frac{B}{x + 3}$	<b>M1</b>	<b>1.1a</b>	setting up partial fractions using their factors. May be implied by correct expression as final answer.
		$5x + 1 = A(x + 3) + B(x - 4)$			
		Substitute $x = -3$	<b>M1</b>	<b>1.1b</b>	method for finding either $A$ or $B$ soi
		giving $B = 2$			
		substitute $x = 4$ giving $A = 3$	<b>A1</b>	<b>1.1b</b>	both $A$ and $B$ correct if clear which denominator they apply to
		$\frac{5x + 1}{x^2 - x - 12} = \frac{3}{x - 4} + \frac{2}{x + 3}$			ISW if an error made only in the transcription to final answer
			<b>[4]</b>		