Question Number	Answer		Mark
12(a)(i)	(Initial) gradient = 0 **Or** Tangent horizontal (at $t = 0$)	**(1)**	**1**
12(a)(ii)	**EITHER** Draws tangent at (1.5, 0.0)	**(1)**	
	$(-)14 \pm 1$ m s^{-1} by graphical method	**(1)**	
	OR *suvat* method using quantities read from the graph and/or $a = \pm g$.	**(1)**	
	Correct answer from *suvat* calculation	**(1)**	**2**
12(b)	Straight line from 0 to (1.5, $-$ [magnitude from (a)(ii)])	**(1)**	
	Second straight line from end of first line to (2.1, 0.0)	**(1)**	**2**
	[Ignore lines beyond 2.1 s] 		
	Total for question 12		**5**