Question Number	Scheme	Marks
6(a)	$0 = u - 9.8 \times 2.5$ oe using gradient of graph. Allow g or 9.81 instead of 9.8	M1
	$u = 24.5$ or 25 ($\mathrm{m\ s^{-1}}$) Allow $2.5g$	A1
	Many other methods	(2)
6(b)	$$s = 24.5 \times 2 + \frac{1}{2} \times 9.8 \times 2^2$$ **OR** $$s = 24.5 \times 7 - \frac{1}{2} \times 9.8 \times 7^2$$ **OR** $$s = \frac{1}{2} \times 9.8 \times 4.5^2 - (24.5 \times 2.5 + \frac{1}{2} \times (-9.8) \times 2.5^2)$$ **OR** $$s = \frac{1}{2} \times 9.8 \times 4.5^2 - \frac{1}{2} \times 9.8 \times 2.5^2$$ Many other methods, using *suvat* and/or the graph (e.g. similar triangles and area under graph) Allow g or 9.81 instead of 9.8 in all equations.	M1A1**ft**
	68.6 or 69 (m)	A1
		(3)
		(5)
	Notes for question 6	
	For use of $g = 9.81$, which will only affect the final A mark in each part, penalise once for whole question	
6(a)	M1 for complete method using *suvat* or the graph to produce an equation in u only, with correct number of terms, condone sign errors.	
	A1 cao (must be positive)	
6(b)	M1 Complete method to give a final displacement, condone sign errors within a *suvat* equation.	
	A1**ft** Correct equation ft on their u	
	A1 cao	