	M(B) $\left(R_D \times 0.36\right) = W\left(1.26 - x\right)$	
Question Number	**Scheme**	**Marks**
5(a)	P to Q $6x = \left(\frac{u+2u}{2}\right)12$ **OR** $6x = 12u + \frac{1}{2} \times \frac{u}{12} \times 12^2$ **OR** $(2u)^2 = u^2 + 2 \times \frac{u}{12} \times 6x$	M1
	Reaches given answer from correct working $x = 3u$ *	A1*
		(2)
5(b)	Q to R e.g. $\left(3u\right)^2 = \left(2u\right)^2 + 2\left(1.5\right)\left(15u\right)$	M1 A1
	$u = 9$	A1
		(3)
5(c)	Q to S (t = 14 position) $QS = 2u \times 2 + \frac{1}{2} \times 1.5 \times 2^2$	M1 A1
	$(4u + 3) + 18u$	M1
	201 (m)	A1
		(4)
(9)		

	NOTES	
(a)		
M1	Considers P to Q and forms a relevant equation in terms of u and x	
A1*	Reaches given answer from correct working	
(b)		
M1	Uses the given answer in (a) to form an equation in u only **N.B.** If brackets missing, allow M1, but allow recovery.	
A1	Correct unsimplified equation in u only	
A1	Correct answer	
(c)		
M1	Complete method to find the distance travelled in the 2 seconds after passing Q	
A1	Correct unsimplified expression in u only (or 39 m)	
M1	Complete method to find the required distance (need $18u$ or $6x$)	
A1	Correct answer	