Question Number	Scheme	Marks
7(a)	$5mg - T = 5ma$ **OR** $5mg - T = -5ma$	M1 A1
	$T - 3mg = 3ma$ $\quad\quad$ $T - 3mg = -3ma$	M1 A1
	Solve for T	DM1
	$T = \frac{15mg}{4}$ oe (allow unsimplified and not in terms of mg at this stage)	A1
	Force on pulley = $2T$	M1
	$\frac{15mg}{2}$ oe (must be a single positive term)	A1
		(8)
(b)	The tension is the same on both sides of the pulley.	B1
	Tension is same across the pulley	(1)
		(9)
	Notes for Question 7	
7.(a)	M1 Correct number of terms, condone sign errors (M0 if m's missing)	
	A1 Correct equation	
	M1 Correct number of terms, condone sign errors (M0 if m's missing)	
	A1 Correct equation	
	DM1 Solve for T, dependent on previous two M marks, and must be in terms of m.	
	A1 Correct expression for T	
	M1 Correct method	
	A1 Correct answer	
(b)	B1 Any equivalent statement. B0 if any incorrect extras B0 if pulley not mentioned.	