

Notes:		
2a	M1	Moments equation. Must be dimensionally correct and include all terms. Condone sign errors. Alternative equations: $M(B): \ 2a\sin\theta\times F + a\cos\theta\times W = 2a\cos\theta\times R$ $M(G): \ a\sin\theta\times N + a\sin\theta\times F = a\cos\theta\times R$ $M(X): \ 2a\sin\theta\times F = a\cos\theta\times W$
	A1	Correct unsimplified equation
	B1	Second equation e.g. by resolving vertically
	B1	Achieve a complete set of equations to solve for μ
	M1	Use of $F = \mu R$
	M1	Complete strategy to form an equation in μ and θ e.g. by taking moments, resolving and eliminating other variables.
	A1*	Derive the given result from correct working.
2 b	B1	Correct reasoning
	B1	Correct conclusion