Question Number	Scheme	Marks
3(a)	$R = 10g\cos\alpha$	M1
	$= 78.4$ or 78 (N)	A1
		(2)
(b)	$F = 0.5R$	B1
	$P = 10g\sin\alpha + F$	M1A1
	$= 98$	A1
		(4)
(c)	$P = 10g\sin\alpha - F$	M1
	$= 19.6$ or 20	A1
		(2)
		(8)
	Notes for Question 3	
3(a)	M1 Allow sin/cos confusion	
	A1 Correct answer. Allow $8g$.	
3(b)	B1 $F = 0.5R$ seen anywhere	
	M1 Correct number of terms, with $10g$ resolved	
	A1 Correct equation or inequality	
	A1 Correct answer. Allow $10g$.	
	For any inequality which never becomes an equation, usual rules: Max M1A1A0 for $P \leq 10g\sin\alpha + F$	
3(c)	M1 Correct number of terms, with $10g$ resolved	
	A1 Correct answer. Allow $2g$	
	For any inequality which never becomes an equation, usual rules: Max M1A0	