Question	Answer		Mark
Number			
13(a)	Point at which weight is taken to act.	(1)	
			(1)
13(b)	Gradient everywhere positive	(1)	
	• Stops at $R = \text{weight}/W/mg$ at $l/2$	(1)	
		(1)	
	• Starts at $R = \frac{1}{2}$ weight/0.5 W /0.5 mg etc. R W $\frac{1}{2}W$		
	$\frac{l}{4}$ $\frac{l}{2}$		(3)
13(c)	 Centre of gravity/mass is not above the shelf. Or Line of action of weight does not pass through the shelf. There is a net moment clockwise. 	(1)	
	Or No anticlockwise moment to balance moment of weight.	(1)	
		(*)	(2)
	Total for question 13		6