Question number			Answer	Notes	Marks
3	(a)	(i)	power = voltage x current;	Accept rearrangements and symbols	1
				e.g. current = power ÷ voltage, P=IV, I=P/V	
				ignore	
				a triangle mnemonic	
				an eqn in units	
		(ii)	2.9 (A);	Accept 2.92 (A), 2.916 (A)	1
	(b)	(i)	Any three of :	allow:	3
			MP1. if current gets too high/exceeds 13A or a set value;		
			MP2. fuse (wire) melts / breaks;	fuse blows	
			MP3. breaking circuit / switching off;	store surrout /flour of alastrace	
			MP4. prevents cable over heating;	stops current /flow of electrons	
		(ii)	any one of:	allow RA	2
			MP1. cable can't be fully extended;		
			MP2. limits the use of the extension cable;		
			MP3. can't exceed 1200 W;		
			MP4. can't reach 10.0 (A) / max working value/eq;		
			AND		
			(because otherwise) 5 A fuse will blow/ will cut the power;	ignore vague comments re energy or power being too much or too high	
		(iii)	(to prevent) the cable overheating/OWTTE;		1

Total 8 marks