Question			Answer	Marks	AO	Guidance
2	(a)		Substitute $x = 40$, $h = 17 + 15\cos 240 = 9.5\,\text{m}$	B1	1.1b	cao
				[1]		
2	(b)		Maximum when $6x = 0$ or 360 so $x = 0, 60$	M1	2.1	Attempt to use the period of the $\cos 6x$ function. Must include a reference to either 60 or 240 or a sketch illustrating the x-direction stretch. Allow if wrong conclusion reached. Do not allow for an argument based on mechanics principles alone
			but the model is only valid for $0 \le x \le 40$ So Tom's argument is invalid.	E1	2.3	clear argument
				[2]		