Question 16 (continued)

- (a) Outline TWO changes that could be made to the experimental procedure that 2 would improve its accuracy. Kim and Ali could have performed the experiment a couple more times (u.) each length of the string in increments could have been done 3 or 4 threes and an average could have been determined + emore accuracy. Also they could have done the experiment wing different weights. Compare Kim's and Ali's methods of calculating g and identify the better (b) 3 approach. As kin used the relationship T = 27 Ig and Ale used his graph of results to abtam a mean for g, Ali's approach is letter, in the ... Arcase that he plotted a graph of her results, and drew a leve of beat fit ; thes demonstrates the constant value, whereas Ken's approach did not exclude a graph and nerely relied on calculations.
- (c) Calculate the value of g from the line of best fit on Ali's graph. $h_{0}h_{1}^{q} = 0.4$ $\theta_{1}2q$

$\theta_0 16 - \theta_0 10$ $\theta_0 \Lambda L$			
1 MIK	0.16 - 0.10	0.000	
		•••••••••••••••••••••••••••••••••••••••	
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End of Question 16

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