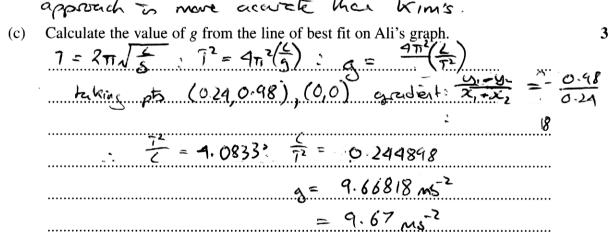
Question 16 (continued)

(a) Outline TWO changes that could be made to the experimental procedure that 2 would improve its accuracy.

Allow ke perdulum to swing back and first traine before sturking to time, to make sure Keere is no additional momentum from releasing the perdulum when you let go
Calculate Ke time for 10 oscillations, and find the "T", from the 10 oscillations

- (b) Compare Kim's and Ali's methods of calculating g and identify the better approach.
- kim: in accounting for all the values of T, kim is including those values which have apparent error in Kem. By hading the mean she is simply including innecessary error into her value of "g"
- Ali: on the other hand, from using the Time of best fit, she can not include these values of Error, this she an find an accurate value of "o" from the line of best fit. This Ali's approach is more accurate than thim's.



End of Question 16

Marks

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