## Mark Scheme (Results)

## Summer 2010

GCE

## GCE Mechanics M4 (6680/ 01)

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## Mechanic guidance:

- For M marks, correct number of terms, dimensionally correct, all terms that need resolving are resolved.
- Omission of g from a resolution is an accuracy error, not a method error.
- Omission of mass from a resolution is a method error.
- Omission of a length from a moments equation is a method error.
- Where there is only one method mark for a question or part of a question, this is for a complete method.
- Omission of units is not (usually) counted as an error.
- Use of 9.81 for $g$ is a rubric error. Deduct the final A1 from the first part of any question affected.
- More than 3 sf in an answer using an approximation for $g$ is an accuracy error. Deduct the final A1 from the first part of any question affected.
- A dimensionally incorrect equation is a method error unless a correct equation was quoted and the error arises from a slip in substitution of values.
- For a misread which does not alter the character of a question or materially simplify it, all marks in that part of the question affected become ft. Deduct the first 2 A or B marks gained as a result and give the rest.


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