

172

**DEPARTMENT OF HIGHER EDUCATION AND TRAINING**  
**REPUBLIC OF SOUTH AFRICA**  
**NATIONAL CERTIFICATE**  
**MATHEMATICS N3**  
**TIME: 3 HOURS**  
**MARKS: 100**

12/05/2010

**NOTE:** Diagrams are not drawn to scale.

**INSTRUCTIONS AND INFORMATION**

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. Number the answers correctly according to the numbering system used in this question paper.
4. Show ALL calculations and intermediary steps. Simplify where possible.
5. Questions may be answered in any sequence. Subsections of questions may NOT be separated.
6. All the final answers must be approximated accurately to THREE decimal places.
7. The formula sheets (attached) are not necessarily complete. Any other applicable formula may be used.
8. Write neatly and legibly.

972/12/10 12/05/2010

# N3 August 2010 Memorandum Mathematics

**Yi-Tong Ma**



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