MATHEMATICS DEPARTMENT

S.5 TRIGONOMETRY TEST

TIME: 1 HOUR

**Instructions**

**Answer all questions.**

1. (a) Find the value of when

(b) Prove that

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(b) Solve the equation for values of from to inclusive.

1. Find the maximum and minimum values of and state the

corresponding values of between to inclusive.

4. If are angles of a triangle, prove that

(a)

(b)

5. (a) Prove that

(b) Eliminate from the equations

***END***