**SENIOR SIX TOPICAL TEST TRIG**

**ATTEMPT ALL QUESTIONS**

1. Solve the equation for
2. Prove that in any triangle ABC, Hence solve the triangle where **a=9, b=5.5 and C=57°**
3. Solve the equation
4. Solve for
5. a) in the form hence solve the equation for **(06 marks)**
6. (b) Prove that for acute values of
7. Prove that
8. (a) Given that A,B and C are angles of a triangle, prove that
9. (b) Solve for
10. Solve 5tan2 A – 5tan A = 2sec2 A for 0
11. A chord AB subtends an angle radians at the center O of the circle of radius r. The area of the circle is three times area of the minor segment AB .show that = 3sin + 2 **(06 marks)**

b) Given that tan = sec – 1/3, find the values of;

1. Cos
2. Tan
3. Prove that: .
4. Prove that: **.**
5. Given that , show that
6. (a) solve for x , π **(06 marks)**
7. (b) Prove that if A,B and C are angles of a triangle, then
8. Solve the equation
9. Solve the equations.
10. for **(06 marks)**
11. −7 for **( 06 marks)**
12. Solve the equation
13. Solve 2cos2θ – 5cos θ = 4 for
14. (a) show that **(06 mrks)**
15. prove that if A B and C are angles of a triangle, then
16. Find the positive value of x that satisfies the equation
17. Expressin the form R hence solve for
18. Solve the equation:
19. solve the equation **(06 marks)**

END