**GATITU MIXED SECONDARY SCHOOL**

**MATHEMATICS FORM 1 END OF TERM THREE EXAM CAT 1 2014**

1. Solve the equation 2mks

9x - (4x -3) = 11+2 (2x -1)

1. The sum of two numbers is 120 and their difference is 18. Find the two numbers. 3mks
2. An exam took 2 ¼ hrs and ended at 10.45 a.m. at what time did the exam start? 3mks
3. Use elimination method to solve the simultaneous equations. 4mks

X +2y =11

2x –y =2

1. Simplify 2mks

96 xy

60x2y2

1. In one month, a motor vehicle salesman sold 3 motor vehicles, one at sh. 1.5 million, another at sh. 750,000 and the other at sh. 200,000. If he is paid a commission of 7%, how much did he get? 3mks
2. Find the value of Z 2mks



1. Find the sizes of the angles marked by letters. 3mks



1. 3 men working 10 hrs a day can do a certain job in 8 days. How would 2 men working 12hrs a day take to do the same job? 3mks
2. Factorize and then simplify. 3mks

2mn - 2mk + 3pn - 3pk

 n -k

1. On a certain day, a boy spent ¼ of the time reading and 1/12 of the time eating. He spent ½ of the remaining time sleeping. What fraction of the day did he spend sleeping? 3mks
2. Write down the prime factorization, in power form of 2272. 3mks
3. Find the perimeter of the shape. 3mks



1. A customer paid sh. 2340 for a commodity on which a discount of 2 ½ % was given. What was the marked price of the commodity? 3mks