NAME ………………………………………………………………………………ADM ……………………………………….

GATITU MIXED SECONDARY SCHOOL

MATHEMATICS FORM 2 CAT 2 2013

1. Find 3mks

3 0.064 ×125

343

1. Solve for C 2mks

5 **2C** **3**  = 5 **4** **c**  × 625

1. Find the surface area 3mks
2. Find the volume of a triangular based prism of sides 10 cm, 7cm and 13 cm and length 25 cm 3mks
3. Evaluate 7 cos 50 .2 3mks

9.5 sin 60

1. Simplify without using tables ( use trigonometric ratios)

Sin 60 cos 30 + sin 30 cos 60 2mks

1. The volume of two similar cans is 96cm 3 and 1500cm 3. Find the ratio of:
2. Their heights 2mks
3. The area of their curved surfaces 2mks
4. Find the common area between the two intersecting circles in the figure below. The circles with canters O, and O2 have radii 18 cm and 12 cm respectively and the chord AB is 18 cm long 10mks

