NT	Class:	A Jaco Nic
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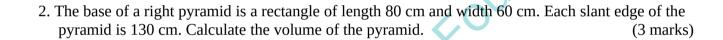


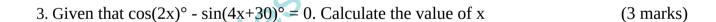
SQUIRT FOUNTAINS SERIES

Kenya Certificate of Secondary Education FORM TWO TOPICAL CHECK 8 MATHEMATICS

Time: 45 minutes

1.	The length of a rectangle has increased in the ration 3:2 and the width reduced in the ration	o 4 : 5.	If
	the original length and width were 18 cm and 15 cm respectively. Find the ratio of change	e in its	
	area.	(3 marks	s)





- 4. Two similar solid cones made of the same material have masses of 8000g and 1000g respectively. If the base area of the smaller cone is 77cm², calculate;
 - a) The base area of the larger cone

(3 marks)

b) the radius of the larger cone.

(2 marks)

5. Evaluate (3 marks)

$$\frac{\frac{3}{4} + 1^{5}}{(1^{3})_{7} - \frac{5}{8} \times \frac{2^{1}}{3}}$$

6. A line L passes through point (3,1) and is perpendicular to the line 2y=4x+5. Determine the equation of the line L. (3 marks)

7. A man is now three times as old as his daughter. In twelve years time he will be twice as old as his daughter. Find their present ages. (3 marks)