Achilher of Integration : Equation of a Straight line. Mr. Malele is a farmer in Busiika. He planted a coffee garden in a square shape with boundaries lines +, B, C and D-Lane C has end points as M(3,5) and N(7,K). It also passes through Q(R13). Lane B meets lane C at M and its end point is ap (N/I). I have a 9) Determine the area of Mr. Malele Wifee garden. 6) Mr. Malele plans to plant an eucalyptus here in the middle of his garden As a Senior four mathematics student and with your knowledge of equation of a line, help Mr. Malele to Identify the exact spot to plant the tree. To: Ingonometry 1. The Cernar of a road in a Certain Village is in the Shape of a right angle. Suring the recent floods, the Corner Section was washed away when a near by river broke its banks. The district road repair and maintenance department decider to Consmict a straight road avoiding the corner to link up with the other sechon of the road after the Lum. In order to evade the damaged Corner Section, the engineer considers constructing a diagonal road 200 metres away from the Curner at an angle of 60° with this

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Establish what length of a road the engineer should . and of plan for? i and will among the army of the

Bata and probability: In 1978, Most of the hapital in Uganda were filled with patients of tuberculoris (T-B), with Mulago haspital having the biggest number of patients. The government set cunhol and prevention measures to reduce the spread. In 2018, a study was made at Mulago referral hospital and the

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Ts: Rahas and propper homs A survey was corried out by a food aid Agency to ascertain the average monthly expenditure (1) on food by 9 family in an urban Centre. It was discovered that the expenses were partly constant and partly ranks as the number (n) of the dildren in a family of 5 ch A family of 5-children needed this 200,000 while a family of 8- children needed shs. 350,000. Task: What will be the monthly expanditure on food for a family with six (6) children. To: Vectors: Bagada wavelled Gookm due North from P to bown Q. He then travelled 800km due East from lown Q to hwn R. Task: a) Using vectors and translation, how many kilometers would Baganda cover if he had wavelled directly from town P to R. b) If the engine ansumes fuel worth show 1500 per kilometer. assist Bagada to Calaulate the extra fuel to over the Un Usual distance to safely reach town R.