WAKISSHA

MARKING GUIDE

Uganda Certificate of Education

PHYSICS 535/3

Experiment to determine the mass of a metre rule. G = 49.8 cm1.

$$G = 49.8 \text{cm} X$$

$$X = 2.0cm$$

$$d = 27.9 cm \lor$$

$$d_1 = 19.9 \text{cm} \ ^{\checkmark}$$

TABLE OF RESULTS

x (cm)	d (cm)	d _{1(cm)}
2.0	27.9	19.9
4.0	26.8 🗸	19.0
6.0	25.6	18.2 🗸
8.0	24.3	17.5
10.0	23.3	16.5
12.0	22.0	15.8

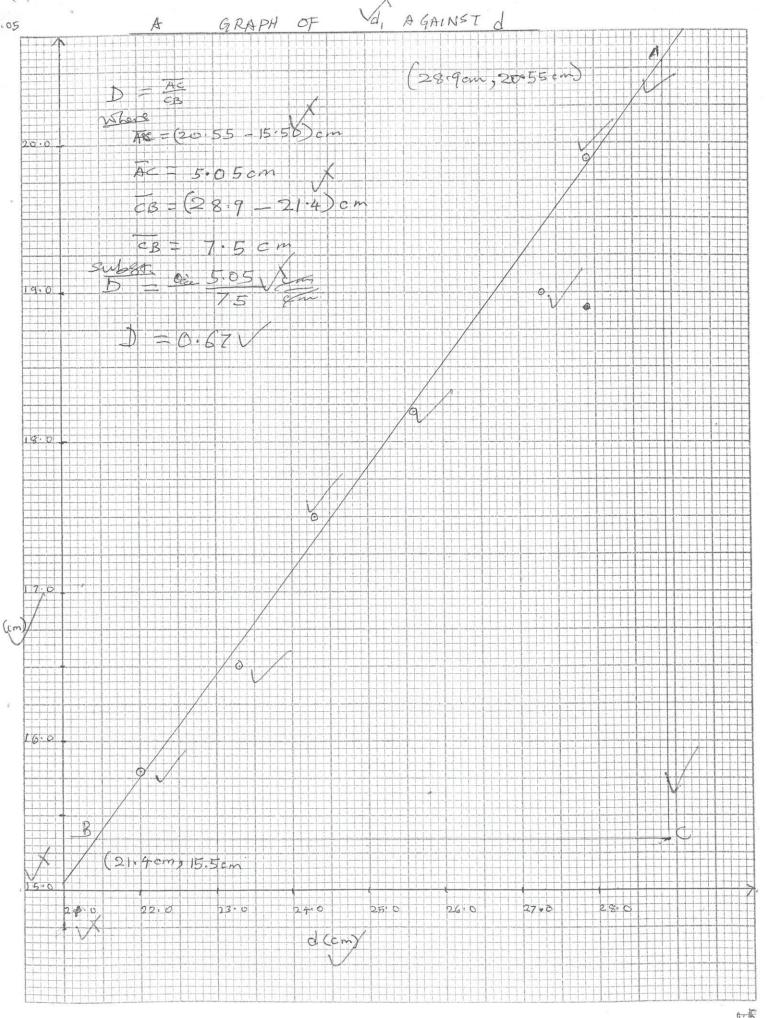
$$m = 100D$$

$$D = 0.67$$

$$m = 100 \times 0.67$$

 $m = 67g'$

$$m = 67g^4$$
. χ



0.5



- Soft board

- 4 drawing ping

- 4 optical pins

- 1 Geometry sel

- White sheet of paper.

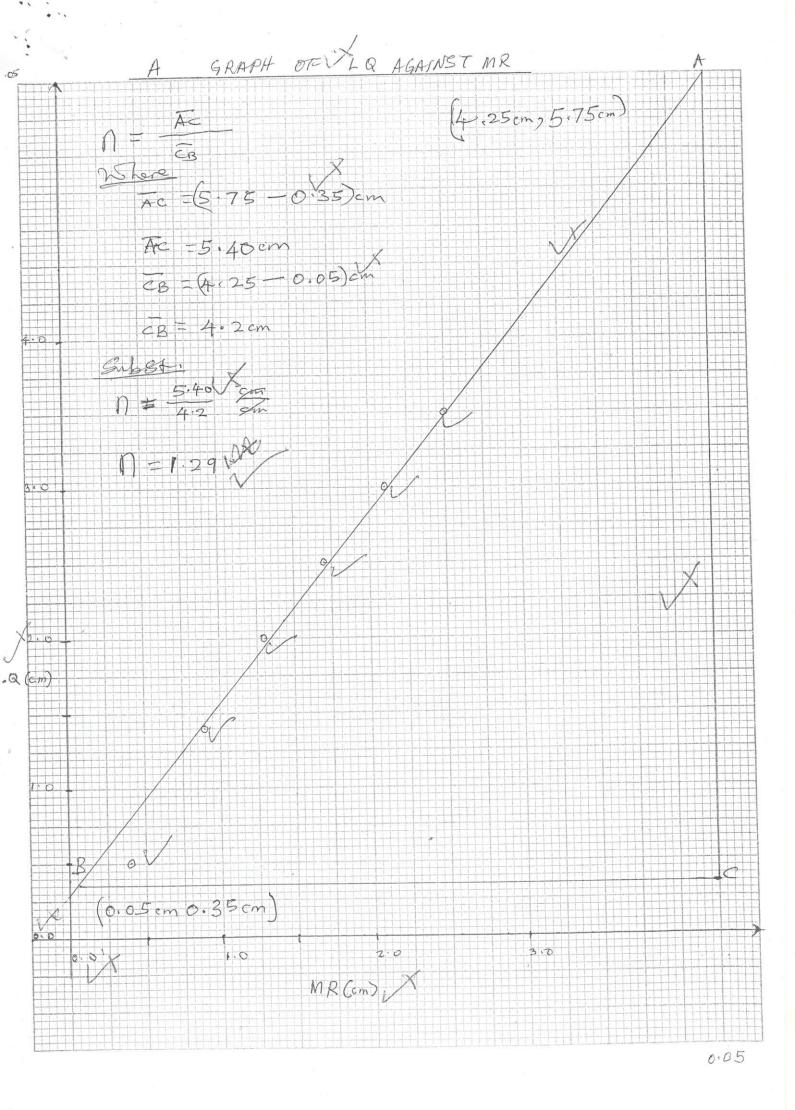
2. Experiment to determine the refractive index of a block of glass using snell's law

$$i = 10^{0}$$

$$MR =$$

TABLE OF RESULTS

TABLE OF RESULTS			
i (⁰)	LQ (cm)	MR (cm)	
10	0.5	0.4	X
20	1.4 🗸	0.9	
30	2.0 🗸	1.3	
40	2.5	1.7	
50	3.0	2.1	
60	3.5	2.5	



Experiment to determine the relation between the potential difference causing current to flow through a uniform wire and the length of wire through which it 3. flows. \square

$$V_0 = 1.20 \text{ V}$$
 $I_0 = 0.18 \text{A}$

$$D = 80.0cm$$

TABLE OF RESULT/		
d (cm)	V (v) \	
100.0	1.20	
80.0	0.95	
60.0	0.70 🗸	
40.0	0.50	
20.0	0.25	

END

GRAPH OF VAGAINST d p = Ae Nore Nore = (2.28 - 0.32) V (190cm, 2.28V) Te=1.96V Te=190-26)em (260 cm) 0.32V 70.0 90.0 domy