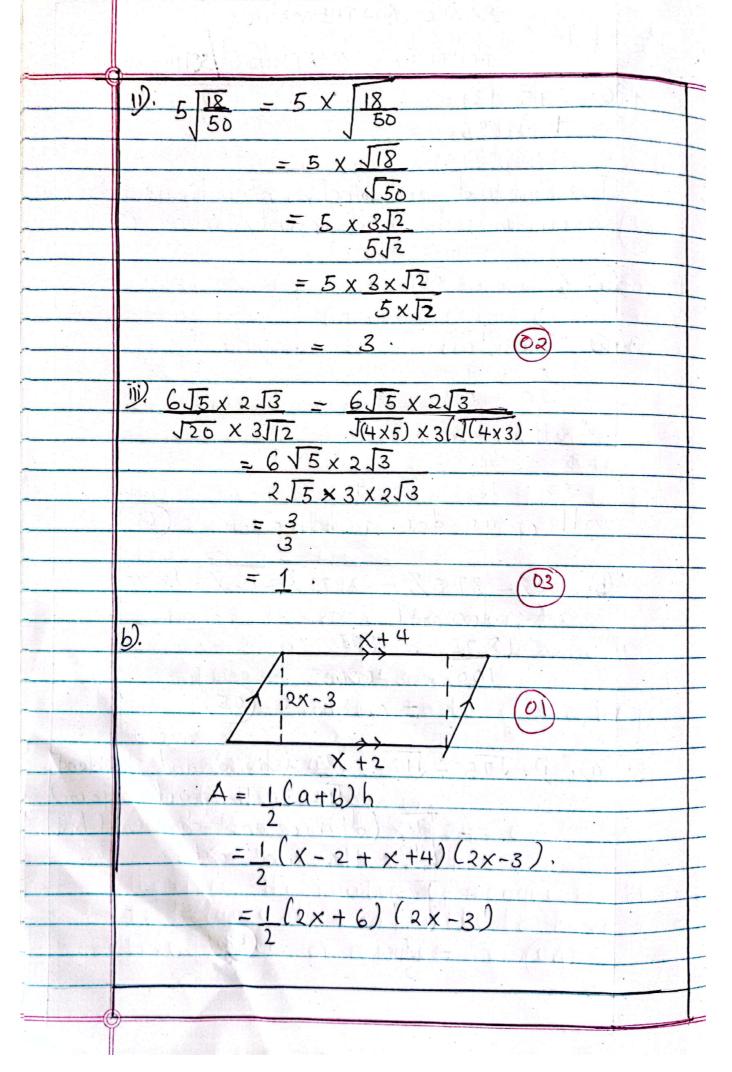
-	
	BASIC MATHEMATICS.
	FORM TWO MARKING SCHEME.
1.6	295, 931
	+ 3, 846
	299,777
1	Two hundred and minety-nine thousand,
	Two hundred and minety-nine thousand, seven hundred and seventy seven (55)
6). 6°C (05)
	THE REPORT OF THE PARTY OF THE
2.	1) Your class
	5 - 1 20 4 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /
	The state of the s
	Another Class
	8 = 4 = 2 = 1
	All of us does a better job. (05)
	Q. 100% - 37-5% - 28-75% - 15% = 18-75%
	As decimal
	18.75 = 1875
	100 10000
	= 0.1875. (05)
	12= / 1
3.	a), i). 575 - 512 = 575 (divisor and dividend
	JT2 in the fraction form) = 75 (divisor and dividend have
	the same root).
	= 125
	THE THE THE TAX STATE OF THE SECOND STATE OF T
	$=\frac{5}{2}$
	2
(



 $4x^2 - 6x + 12x - 18$. $4x^2 + 6x - 18$ 2x2+3x-9) Square Units a) Let a metres represent the added Length. Then, the sides of the rectangular garden in Following fugure: (6+x)m Area = 45m2 Area of the new rectangular garden is given by: (8-x)(6+x)=43 -3x+x-3=000 $\times (x-3) + 1(x-3) = 0$ X=3 and X= 71. But Length cannot be negative Hence x = -1 is rejected Therefore, x = 3 metres.

_(
_	Verifying: Now width = (6+3) metres
	= 9 metres.
	New Length = (8-3) metres = 5 metres.
	Therefore, area - quetres x 5 metres
A 1	= 45 square metres = (04)
	AU DECENSE (PARS PARSI) & AMARIAN DE
	D. Let x represent the number of mangoes
	bought. Then the price of each mango was
	Bought. Then the price of each mango was 3600 shillings. Six more mangoes correspond
	x
	to (x+6) mangoes
	Therefore, each margo would cost 3600 (1)
	2+6
	This price per mango is less than the previous
	one by 50 Shillings.
	Then, 3600 - 3600 - 50
	x x+6 -2
	3600 (xt6) - 3600x - 50x(x+6).
	$3600x + 21600 - 3600x = 50x^2 + 300x$
	$21600 = 50x^2 + 300x$
-	Divide each term by 50 to obtain the Follo-
	wing:
	$x^2 + 6x - 432 = 0$
	(x-18)(x+24)=0
	x-18 = 0 and $x + 24 = 0$
	x = 18 and $x = -24$.
	Therefore, the number of mangues bought was 18 be cause it is imposible to have a nega- tive number of mangues.
	18 because it is imposible to have a nega-
	tire number of mangoes. (04)
	Little V. Marin II
-6	

Checking: With 18 mangoes each costs 200

shillings. Six more mangoes each

Costs 150 shillings.

The difference is (200-150) shillings = 50 shillings 18 mangoes. a) By combination method. 3x + 2y = 5 -Eliminate X to set y. $3\int 2x + 3y = 0$ $2\int 3x + 2y = 5$ 6x + 9y = 06x + 4y = 10

<u>54</u> = 10	TALL (INTER
A LINE S TO STATE	and the same of th
y = -2	
19110 1 v = 410 mm	The site is
Substitute the Value of y i	into ean (III)
2x +3y =0	iya wall wa (i) ik
QX + B(+Q) = 0	introduct pro
2x-6:=0	
QX = 6	
a la min a la anno	Milliaged the
x = 3	50 4 - 12 6 7 9 9
1. X=3, Y=R	
Looks placending a bull the s	59/1
B) Let the price of a tie be a Tanzanian.	shillings.
Let the price of a shirt bey Tanzanian	shillings.
Thus,	
[83,000 - (22+27) = 9 000	(1)
$[83 \cos -(x + 3y) = 0]$	(2)
Rearranging the equations (1) and (2) gi	ves,
(2x + 27 = 74 000)	(3) (0)
{ a +31 = 83 000	(4)
THE RESERVE OF THE PARTY OF THE	
Use any method to solve equations (3) of	and (4). In this case, -
substituation method is used.	
Using equation (4); express 2 in terms	of y as follows:
x = 83000 - 37	
Subutituting equation (5) in to equation ((3), we have,
2 (83 000) 37) + 27 = 74 000	
166 000 -67 +29 = 74,000	W/ 18 18 18 18 18 18 18 18 18 18 18 18 18
- 47 = 74 000 - 166 000	
-47 = - 92 000	4 ×

/	
	7= 792 000
	-4
	Hence, y = 23000 (01)
	substitute y=23 000 into (5) to obtain the value of or that
Fr. W	Tuylor Minds and 10 Try with the way Topica I I was nell to
120	x=83 000 - (3 x 23 000)
	x = 8000 - 69000 = 14000
	Hence, $x = 14000$.
H 450	cs the Dinamin of the one of the one in the set of the
	Substitute Therefore, the price of each tie is 14 000 Tanzanian -
	shillings and the price of each shirt is 23 000 Tanzanian shilling
	Library Constant of the property of the proper
6	@ Solution .
	24 -5 < 11 -12 - 2 - 20 Brown to 10 1 without 1
	2y -5 +5 < 11+5 (Add 5 to both sides)
	24 < 16 . OTTP - DE TENDOUDPE TENTONE DE
	· · 24 < 16
7 4	2 2
	y < 8 (05)
	point of all of the by
	b let & be the minimum score in the second Test for her to pass
	the examination. This implies that, the average of the sources in the
	two tests should be greater or equal to 61
	Three,
	$\frac{1}{2}(54+x) \ge 61$
	2 \
	27 + 1 x > 61
discolor	· · · · · · · · · · · · · · · · · · ·
1.18.00	· · · · · · · · · · · · · · · · · · ·
1700 (Fa)	1, at 27 27 27 10 m 112 h = 120 1 10 m 112 h = 120

	$\frac{1}{3} \propto 2.34$	
	$2\left(\frac{1}{2} \propto 234\right)$	
	\2	
	2 2 [68] A 1 (3) A 1 (3) (3) (4) (5) (6) (6) (6)	
	Therefore, the lowert possible marks that vivian should obtain	in t
	second text in order for her to pars the exemination 68.	95)
	AND THE SECOND RESERVED TO SECON	
7	a let the money he had at first be a Del = 8. DODA	
	If x of his money was used in one shop, he remained with 3 x	OT H
	total amount it is about the property of the	
	The money used in another shop $\frac{7}{8} \times \frac{32}{9} = \frac{212}{32}$	
	The money used in another shop $\frac{7}{1} \times 32 = 212$	
	8 4 32 110 32 0)
- 4		
	The fraction that remained is x - = 21x - 22x - 8x	- 210
	The fluction that remained 11 x - 21 x - 22x - 8x-	-212
	The fluction that remained is $x - \frac{2}{7} - \frac{21}{32} \times \frac{1}{32} \times \frac{1}{32}$	-212
	This fraction is equivalent to Tuh. 9000 . $3x = 9000$	- 212-
	This fraction is equivalent to The 9000.	- 212-
	This fraction is equivalent to The 9000. $3x = 9000$	- 212-
	This fraction is equivalent to Tsh. 900 , $3x = 9000$ B let x be the buying price.	- 212-
	This fraction is equivalent to Tsh. 9000 . 32 = 9000 8 let x be the buying price. $\infty = 100\%$	- 212-
	This fraction is equivalent to The 9000. 32 = 9000 32 B let x be the buying pice. $x = 100\%$ This fraction is equivalent to The 9000.	- 212-
	This fraction is equivalent to The 9000. 32 = 9000 32 B let x be the buying pice. $x = 100\%$ This fraction is equivalent to The 9000.	- 212-
	This fraction is equivalent to Th. 9000. $3x = 9000$ 32 B let x be the buying price. $x = 100\%$ 131.960 $31.31.960$	- 212-
	This fraction is equivalent to Th. 900 . $3x = 9000$ 32 B let x be the buying price. $x = 100\%$ 1131% 311	- 212-
	This fraction is equivalent to Th. 9000. $3x = 9000$ 32 B let x be the buying price. $x = 100\%$ 131.960 $31.31.960$	- 212-
	This fraction is equivalent to Th. 900 . $3x = 9000$ 32 B let x be the buying price. $x = 100\%$ This fraction is equivalent to $x = 100\%$	212:
	This fraction is equivalent to Tsh. 900 . $3x = 9000$ 32 B let x be the buying pice. $x=100\%$ $x=1131\%$ 3 3 3 3 3 3 3 3 3 3	212:
	This fraction is equivalent to Time 9000. 3x = 9000 32 B let x be the buying price. This fraction is equivalent to Time 9000. 32 B let x be the buying price. 33 34 35 36 37 38 39 30 30 31 31 31 31 32 34 34 34 34 34 34 34 34 34	212:

8	@ let y = 0.25 = 0.255		
Complete Strategy	10y = 25		I
	Professional Control of the Control		١
et est printiple et arres de	the second secon		ı
-	90y = 23 9 = 28/90 = 2.3/9	1 1	١
The state of the state of	9 = 20 190 = 2.319		١
	Thus, 2.5 = 23/90 05	-	١
			ı
	B) For two similar triangles:		l
,	$\begin{bmatrix} Side & of & \Delta 1 \\ Side & of & \Delta 2 \end{bmatrix} = \frac{Area & of & \Delta 1}{Area & of & \Delta 2}$		l
	[Side of D2] And of D2		ł
	12	North Control of Spiles	ŀ
	Jidl of A1 = 1		ŀ
	Loide of $\Delta 2$		l
	$\begin{bmatrix} \text{Jide of } \Delta 1 \\ \text{Jide of } \Delta 2 \end{bmatrix}^2 = 1$ $\text{or } \text{Side of } \Delta 2 \end{bmatrix}^2 = 1$ $\text{Jide of } \Delta 2 = 1$ $\text{Jide of } \Delta 2 = 2$		ł
	dide of $\Delta 2$		ŀ
	The ratio of their corresponding rider will be 1:2 05)	
			ł
.9	6 Slope $m = 5 - (-1) = 6 = -2$ $-3 - 0 \qquad 3$		
	-3-0 3	-	
	The equation of the line is:	-	
1 5 9	$(\gamma - (-1)) = -2$		
1 5	1931 - Mario on his sail was accounted to the sail of		-
	3/5/1 9+1=- 2x 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
	$y=-2\alpha-1$		
1	a-intercept, put y=0		
	This is the x = intercept (05)		
	the all the said of the said o		
	Blet amount divided be m. The difference between largest a	nel	
	smallest share is:		
	N Marian Control of the Control of t		1
0.39	5 m - 2 m = 3 m		
	Silyon of 1 (20) i may at it to have	CHARLES CONTRACTOR	-

