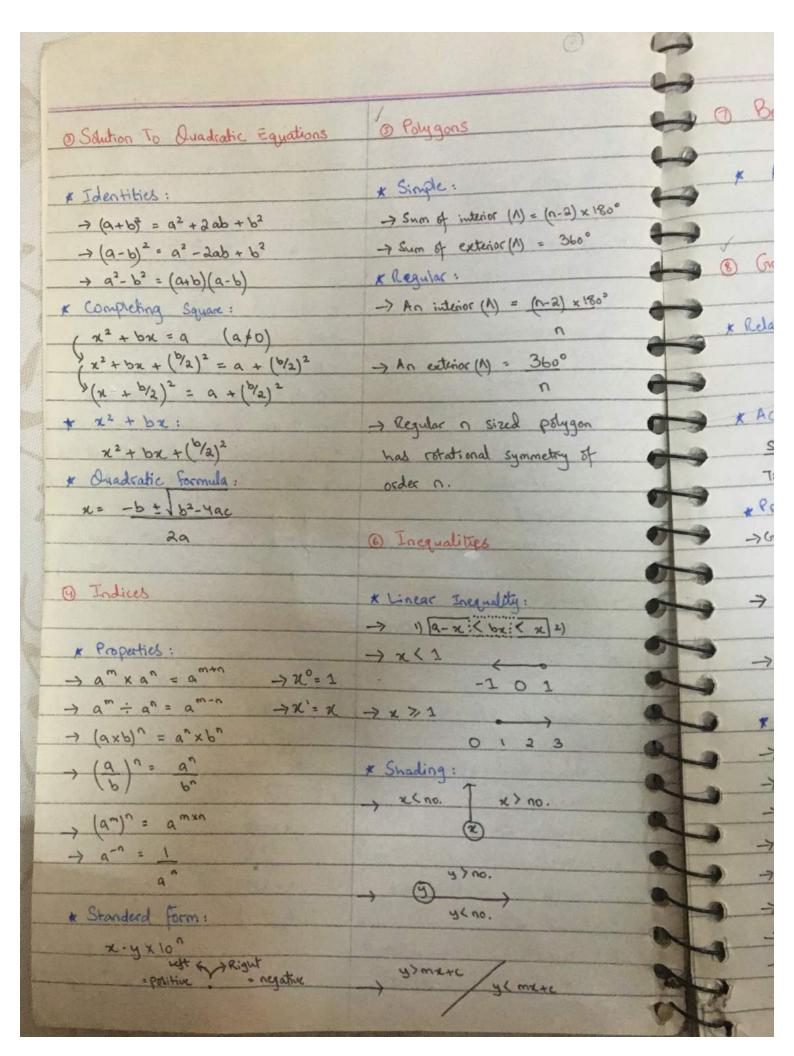
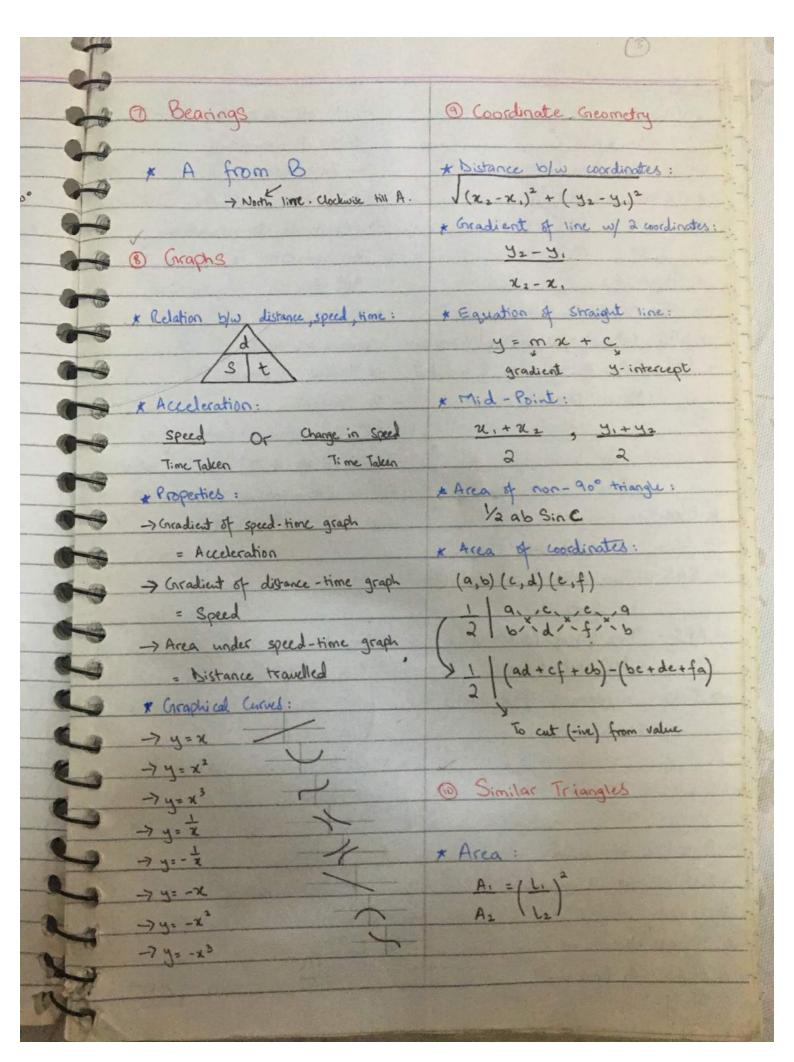
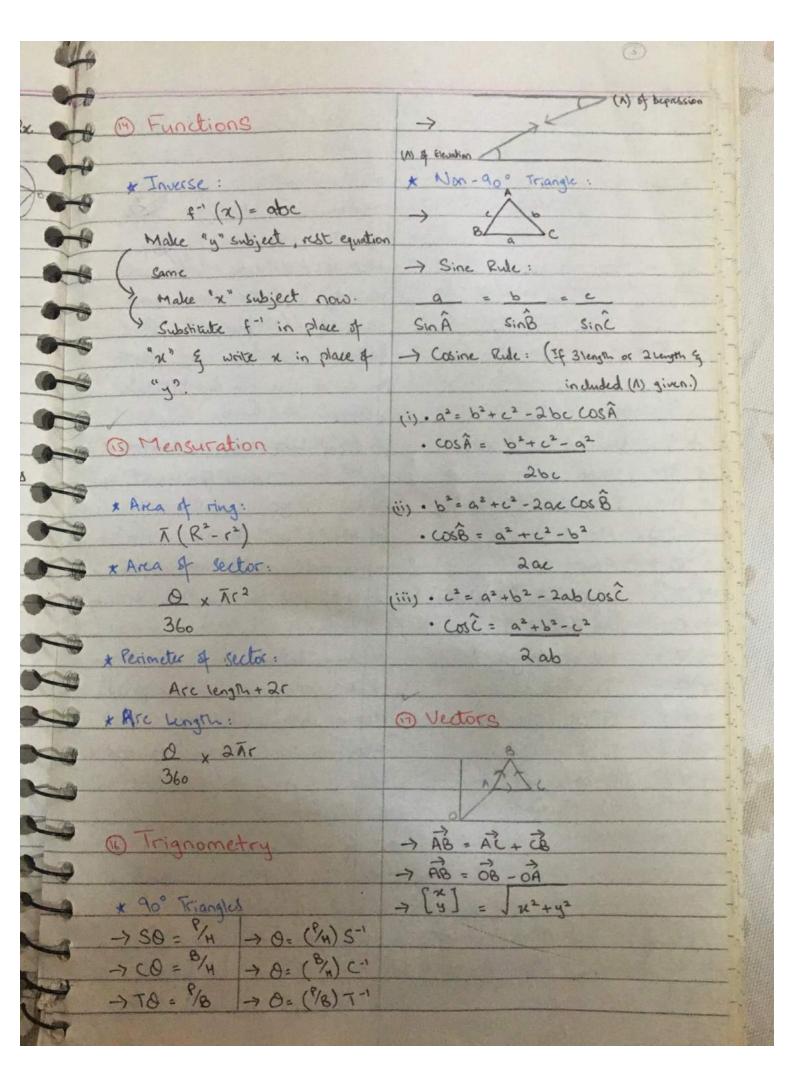
	0
O Simple Marus	= R w/ 100 as its in 1.
	→ Simple interest:
* PyThegoral Theoram:	I = PRT
$H^2 = P^2 + 8^2$	→ Compound interest:
* Conversions:	$A = P\left(1 + \frac{e}{n}\right)^{T_n}$
1 cm = 10 mm	Mancy
lm = 100 cm	* Significant Figures:
1Km = 1000 m	-> All non-0 no. are significant.
(Big Small) Quantity	-> 0 byw two no. is significant.
	-> O at the end of decimal no. of a
* 7. Inchase:	non-0 no. is significant. 1.10 (3s)
Increase x 100	> If a decimal no. starts w/ 0, all 0's
Actual value	b/ non-0 digit are not significant. 0.01(1s)
x // biscount:	-> 0's at The end of a whole no.
	may may not be significant. 40005 (55)
Marked price	40000 (15)
* Cuboid:	
Surface Arca = 21w +21h +2 hw	
DIET WE KILL TOUTH	3 Variations
	② Variations
x Circle:	
\star Circle: \rightarrow Area = $\tilde{\Lambda}r^2$	* Direct: (Both T or & together)
Y Circle: -> Area = T(2) -> Greenference: 2Tir	* Direct: (Both Tor & together)
* Circle: Area = T(2) + Circumference: 2Tr * Cylinder:	* Direct: (Both Tor & together) y= kx A, C
* Circle: Area = T(2) + Circumference: 2Tir * Cylinder: Area: 2Tir2 + 2Tirh	* Direct: (Both Tor & together) y= kx A, C B/\D
* Circle: Area = T(2) + Cylinder: Area: 2T(2+2Trh + Volume: T(2h)	* Direct: (Both tor & together) y= kx A, c B/ D * Invese: (If one t men other &)
x Circle: → Area = Tr ² → Circumference: 2Tr * Cylinder: → Area: 2Tr ² + 2Trh → Udume: Tr ² h → Height: Tr ²	* Direct: (Both T or & together) y= kx A
* Circle: Area = \(\bar{\Cappa} \) * Cylinder: * Cylinder: Area = \(\bar{\Lambda} \) * Ushume: \(\bar{\Lambda} \) Theight: \(\bar{\Lambda} \) * Interest:	* Direct: (Both Tor & together) y= kx A
* Circle: Area = Tr ² Area = Tr ² * Cylinder: Area = ZTr ² + 2Trh + Udume = Tr ² h -> Height = Tr ² * Interest: I = Interest n= No. of times	* Direct: (Both T or & together) y= Kx A, C B/\D * Invese: (If one T men other &) y= K A-x-C
* Circle: Area = T(2) + Circumference: 2Tr * Cylinder: + Area: 2Tr2 + 2Trh + Volume: Tr2 * Interest: T: Interest: P = Principal amount compounded per yr.	* Direct: (Both Tor & together) y= kx A
* Circle: Area = T(2) Area = T(2) * Cylinder: Area : 2T(2 + 2T/h) Volume = T(2 h) Height : Tracest : I : Interest : P = Principal amount compounded per yr. R : Interest rate fyr A: Future amount of	* Direct: (Both T or & together) y= kx A, c B/\D * Invese: (If one T wen other &) y= k A-x-C
* Circle: Area = T(2) + Circumference: 2Tr * Cylinder: + Area: 2Tr2 + 2Trh + Volume: Tr2 * Interest: T: Interest: P = Principal amount compounded per yr.	* Direct: (Both T or & together) y= kx A, c B' b * Invesc: (If one T men other &) y= k A-x-C





* Volume :	-> (1) at center by are = 2x
	of (A) at circumference
$\frac{V_1}{V_2} = \left(\frac{L_1}{L_2}\right)^3$	by same arc.
* AABC = AXYZ :	A CONTRACTOR OF THE PROPERTY O
AB = 8C = CA	-> (1) made at circumference
NY YZ ZX	by diameter is a
* Properties:	90° (A).
-> AAA: All (1) are equal.	> (A) of same
-> SSS: Ratios of corresponding (1) are sa	
-> SAS: Rathed of two sides & included	
(A) is same.	to tangent.
	-> Cyclic quadhaterd A is
(Congruent Triangles	formed if all of its vertices
	fall on circonference. Opposite (1)
* Properties:	Sum upto 180°.
-> SSS: All sides are equal.	
-> SAS: Two sides & included (1)	1 Matrices
is same.	
-> AAS: Two (1) & corresponding	* Formation:
sides are same.	(a x) =3 w2
-> RHS: Hypoteneus & a side is	6 9
Same.	(2 /
	* Multiplication:
@ Circle Properties	→× V
	* Investe:
-> If a line from center	A-1= Adjoint
bisects chord, its perpendicular	
- 1	- Determinent
-> If two chords are equal, They	A=(8 3) > (9xy)-(bxx)
are equidistant from center.	1-1-5 0)
18:00	



@ Loci	a Transformation
	4-9
* Loci from a Point:	*Enlargement:
Point	Match points ABC
1	Measure distance &
* Loci from a Line:	multiply w/ factor. Answer gives
Line	del Control It
- Sets	factor is in then image apposite
	to object else on object's side.
* Symbols:	*Shear: X
-> & = Universal set (Limit)	-> Shear factor = Distance from A to A'
-> U= Union	Distance from invarient line
-> N = Intersection (Common)	-> Any 1/3 given . Complete 1
→ n(x) = No. of elements → Ø = Empty set	hence match points. Distance from
-> 2 = Compliment (Excluding)	A to A' is on same line . (time: +, -inc. +)
→ E = An dement of	* Reflection:
-> &: Not an element of	Measure distance from invarient live,
= 1s proper set of	2-axis or y-axis (whatever asked).
-> 4 = Is not a proper set of	Measure distance for ABC & draw
$\rightarrow \leq =$ Is a subset of $\rightarrow \neq =$ Is not a subset of	ABÉ w/ some distance on apposite
$\rightarrow \neq =$ Is not a subset of (Part of)	side. STA
	* Translation:
Probability	Move could ARC as [3].
No. of results	Move points ABC as directed in C3. Answer is A'B'C'. B [+]
P(event) = n(E) - 7 for our above to creat.	+ivc: ->/+
n(s) -> Total no. of possible round of experiment.	> = = = = = = = = = = = = = = = = = = =
	[=]: → L=]: ← L
	9

6-H	
* Estation:	* Median:
Draw a line b/w objects	· Even &f = &f m value
points ABC w/ coordinates (2,4)	
which is given. Put 90° C.W	· Odd &f: &f+1 to value
a protractor on the 11ms	* Quartile:
ABC one by one. Move clockwise	Find median of data, mark as O2.
or anti-clockwise about the angle	Find median sti left side of Oz,
71001.	7- 18:00 1- 18:00
length from coordinates as of stoject.	mark it d, & median on right
* Stretch: X	side as O3.
braw The invarient line . Y-axis:	* Interquatile Range:
horizontal line, x-axis: vertical line.	03(751.) - 0, (251.)
Measure length from points ABC	· · · · · · · · · · · · · · · · · · ·
to invarient line. Multiply with	3 Histogram
factor & answer gives lengths of	
A'B'L' from imparient line. If	* X - axis
factor ive then image	-> for class widths without
apposite to doject also on last it	gaps, simply draw it on
Stoject's side.	x-axis
90,000	-> For class widths with gaps,
3 Statistics	first find class boundaries by
(22) 31 20131 : 93	adding & subtracting upper &
	lower limits from class with
* Table:	to remove the gaps and then
2 a b c = 2fx (ax+by+cz)	draw class boundaries on x-axis.
f x y z = 2f (x+y+z)	
* Mean:	* Y- axis:
Efr.	-> If class intervals on x-axis
2 4f	are of equal lengths, we
* Range:	draw the frequency given, on
C-9	y-axis.

	3 4
	11 11 P(A) P(R)
-> If the class intervals on 2-axis	* Probability (A or B) = P(A) + P(B).
- Are of unequal lengths, we	A TI = N±
find the frequency density &	* Trapizium = 1 (atb) h
The draw the f.d on y-axis.	
Frequency - frequency	= Frequency X 360
density dass width	= Frequency X 300
	Total frequency
(24) Number sequence	
* For common difference of terms:	0
Eg: \3,5,7	
3 3 3	0
$T_n = a + (n-1) d$	
nom term 1st term: 1 Common difference: 2	0
* For common difference's difference	0
of terms:	
Eg: 3, 12, 27, 48	
7 4	0
Tn= a+ (n-1)d+(n-1)(n-2)c	
1 \ 2	
100	•
difference common	•
2st term difference	
ELLERG	
Extras	
	6
x a = 1a	
1 16 16	
* Acute (A) = 0°-90°, Obruse (A) = 90°-800	0
Reflex (A) = 180°- 360°.	
	A A

0 Numbers	T.	
	point(s) of interaction	* Relation between
	is formed by equaling	interior & exterior
* HCF:	The equations of graph	angle of triangle:
- Common multiple	for which point of	one interior angle
* Perfect Square (Cube:	intersaction was found.	+ One exterior angle
-> A squere cube which	* Perpendicular lines:	= 180° A
has squerefube on all		
values.	perpendicular when	17 Transformation
* Smallest possible value	gradient, x gradient,	
4 0:	=-1	* Finding the
> Xn is a multiple of Yn		transformation;
-> Xn = Multiple of X.	OSimilarity &	- Isometric:
-> Xn: Multiple of Y.	Congruency	Objects & images
-> n = Prione factors of + 127		are congruent. Areas
Prime factors of X		leights & angles
* Trigrometric Patrios:	common side:	an same.
-> cos(180-0) = -cos0	A = ZxbxK	-> Translation: Follow
-> Sin (180-0) = sind	Az ZxbxX	the path [3] from
→ tan (180-0) = -tan0		street to image. Occurs
7 1011 (1 Symmetry	when sject & image
(a) Coordinate		are look identical,
· ·	* Rotational Symmetry:	just apart from eachtr
Geometry	-> Rotate The figure	-> Reflection: Occurs
* Coradient:	360°, See how many	when both the object
I (rise /vertical)	times it retains its	& image are loor.
I (run (horizontal)		identical but laterally
* Faustin of him		inverted. Middle of
* Equation of two	3 Angle & Circle	object & image is he
Equation which	Properties	reflection line.
is satisfied by		-> Retation : Occurs

		0
when object & image is	(3) Vectors	in common. by A/A
100% identical but revolued.		A . {1,2,3}, 6: [1,4,9]
Join two vertices (same)	* Parallel vector:	- Subset:
g draw perpendicular	= Parallel vectors are	when dements of
bisector of both. The point		a set are pasessed
where both perpendicular		by other set too. Eg
sector meet is the centre	@ Statistics	ASB. A. [1], 8:[1,2]
of rotation. Was join both		- Overlapping:
vertices with centra &	* Types of data	When two sets have
find angle. Also write	representation graphs:	dements in common.
doctemise or antidodumise.	-> Bar chest . ITI	Eg ANB . A. [1,2,2],
- Non-isometric:	-> Pie chest.	8: [3,4,5]
Objects & mayo are	-> Histogram . Th	Bush the state of
Similar.	-> Frequency payson. 1	2) Matrices
-> Enlargement; For me	-> Scattered diagram.	
Scale factor simply count	-> Cumulative frequency	- Finding invese:
The blocks of image &	curve.	Determinent of matrix
divide mem by number of	40	must not be 40° to
blocks of object. It should	@ Sets & Venn	find its inverse.
be same for all vertices.	biagram	- Position vectors:
(i) Image on same side of		Matrix of transformation
object: Join vertices &	* Relation between two	X
extend the line. The point	sets;	Matrial of position
where all times melt is	- Equal:	vector of object
The centre of enlagrement.	When two sets have	=
(ii) Image on apposite side	exact same elements, orde	
of Soject: Join vertices,	doesn't matter. Eg A = B.	
point of intersection is centra		
of enlargement.	- Disjoint:	
	when two sells have nothing	

* Histogram:	3(2)+5=7
When comparing histograms,	6=7-6
check for the spread and	[b=1]
average on the x-axis.	2+1+c=3
Spread also refers to me	3/+C=3
	[0.0]
range. * Prism:	:. 202 + 0
Vol = Area of cross-section x height	- Cubic sequence:
	an3+bn2+cn+d
* Similar figures: . Ust factor = 13	> 6a: 3rd difference (constant)
· Length factor = TU or JA	-> 12a+ 26 = First of 2nd difference
· Area factor = L2	-> 7a+3b+c = 2nd term - 1st term
* Number Sequence;	-> a+b+c+d = 1st term
- Linear Sequence:	0: 4,14,40,80,164
Multiply with common difference	9 9 1 1
& men check its relation with	16 22 28
1st term.	6 6
0: 4,7,10,13	A. 6a = 6
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	[9:1]
A: 3n+1	12(1)+26:16
- Quadration sequence:	b = 16-12/2
an2+bn+c	6= 2
+20 = 2nd difference (constant)	7(1)+3(2)+c=14-4
-> 3a+6 = 2nd term - 1st term	C = 10 - (7+6)
-) atbtc = 1st term	[c: -3]
D: 3, 10, 21, 36, 55	1+2+(-3)+2=4
3775	[d=4]
1 777	$: n^3 + 2n^2 + 3n + 4$
1 h: 29 = 4	* Matrix of transformation;

- Enlargement: ac Centre origin with scale factor when there is a goin, increase it to X. (contre origin with scale factor when there is a goin, increase it to X. (contre origin with scale factor when there is a goin, increase it to X. (controlled to X. (
in matrix form: 9: (9,6) b: (c,d) c: (e,f)