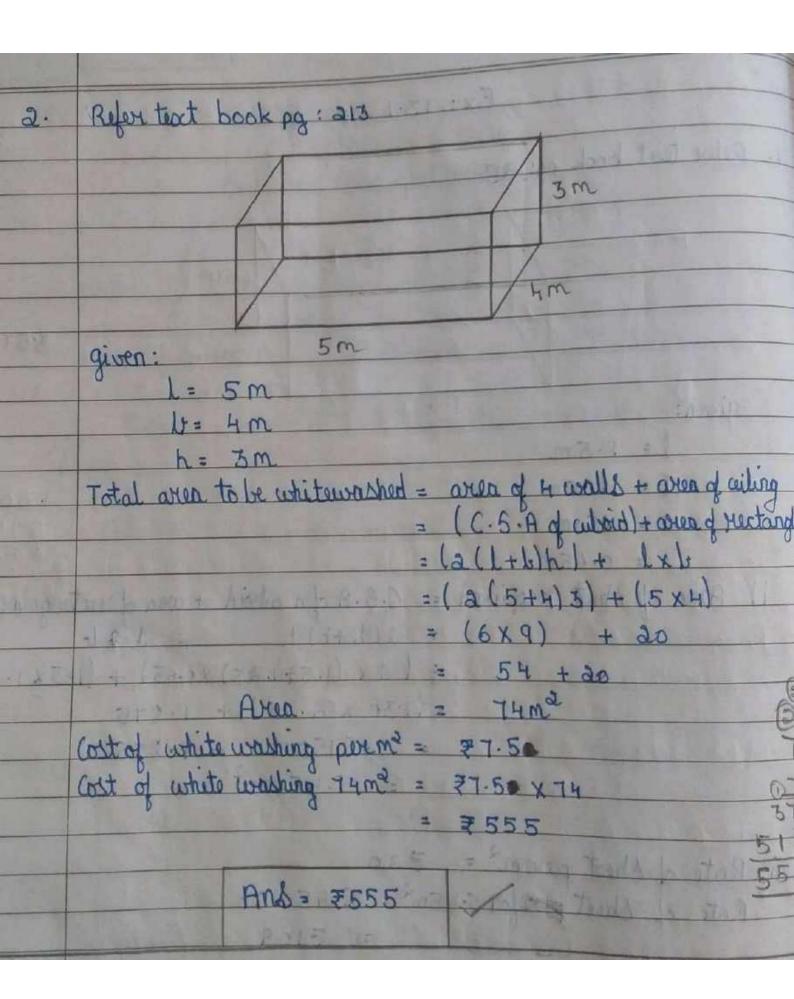
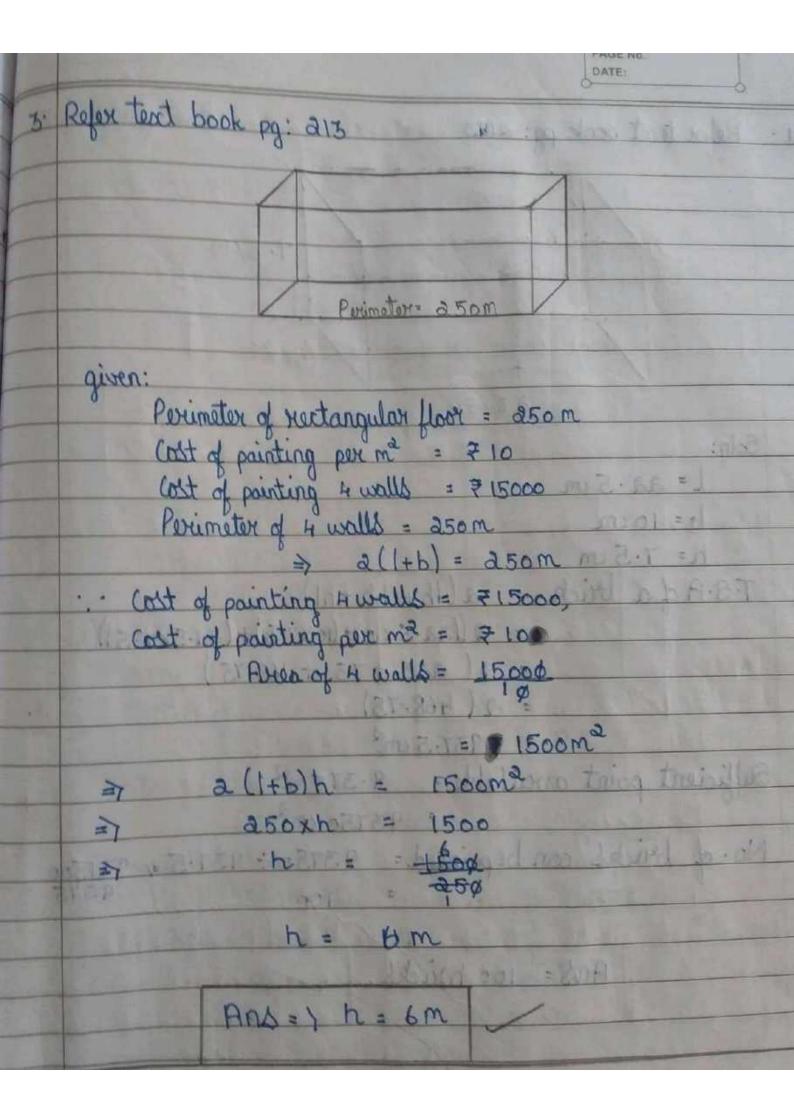
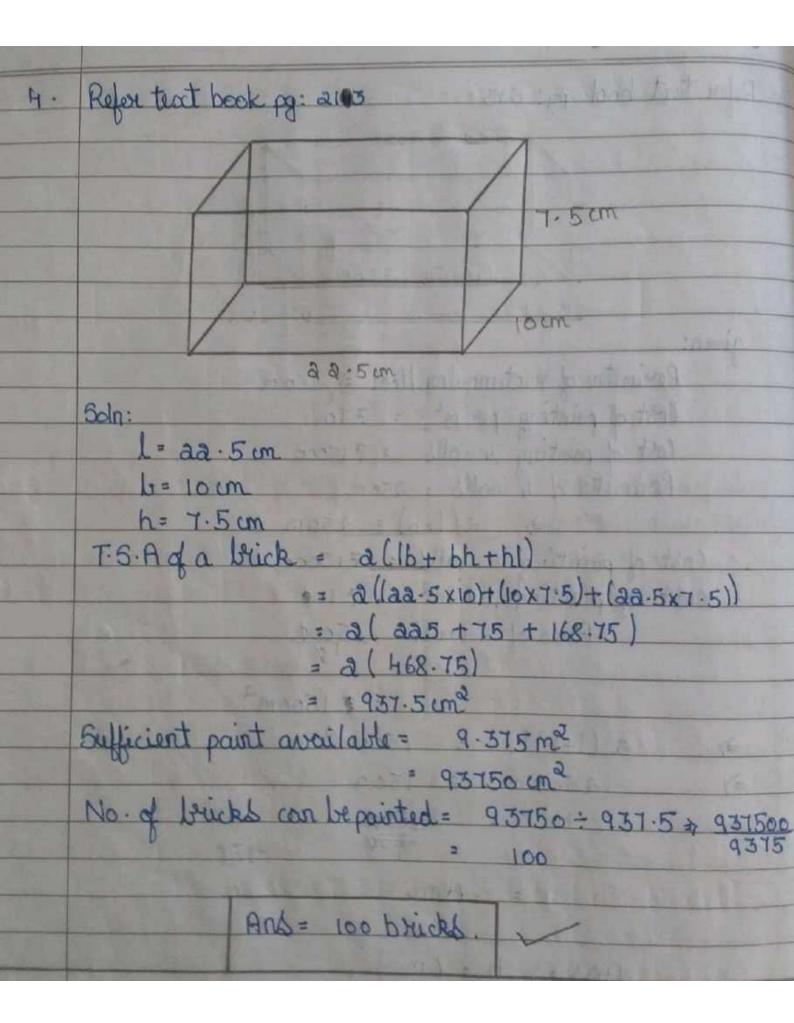
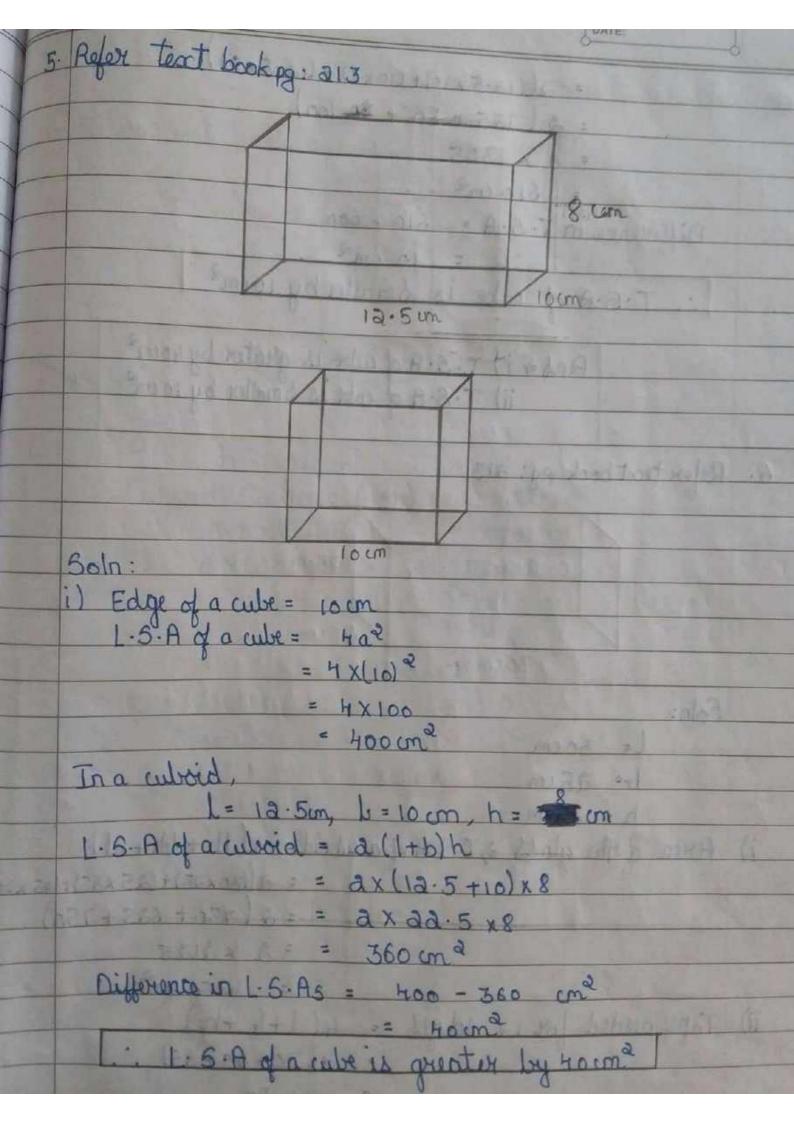
Chapter-13 Surface Area and Volume			
Notes			
Name of Solid	C.S.A/L.S.A	T. 5. A	
Cube	4 a 2 sq. units	6a Say writs	
Cuboid	a(b+b)xh	a(U+ 1 + h)	
Cylinder	aππh	алн x(h+x)	
Cone	TIXL  L= Jx2+h2  L > Slantheight	TXLL+X	
	THE RESIDENCE	CALL MANUAL	

Cone	TIXL  L= JH2+h2  L-> Start height	THE L+H
Sphere	CANADA CA	4TH2
Herrisphere	атна	3TH2
Hollow Cylinder	an (R+x)h	aπ(R+n)(h+R-n) aπ[Rh+nh](R2-H2)]
Diagonal of a cube  Longth of 12 edges  Diagonal of a cuboid  Longth of 12 edges	= 13a units of outr = 12a  of whold = 4(1+b+1)	nits

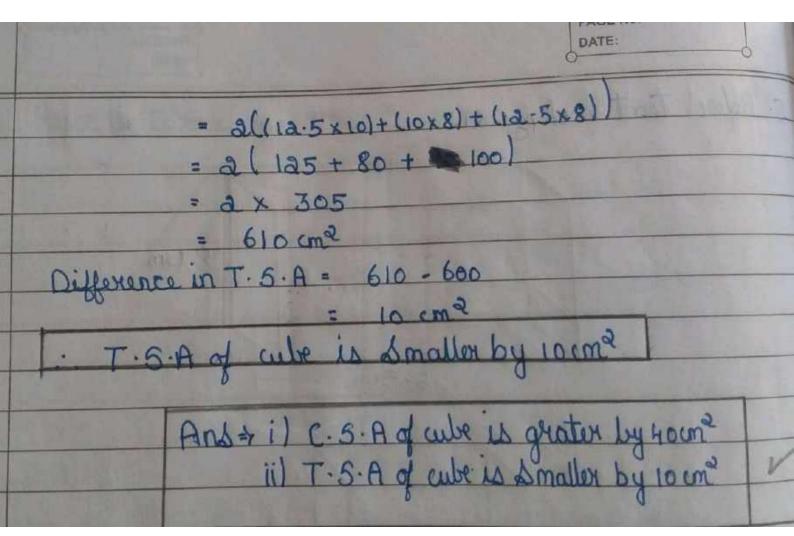


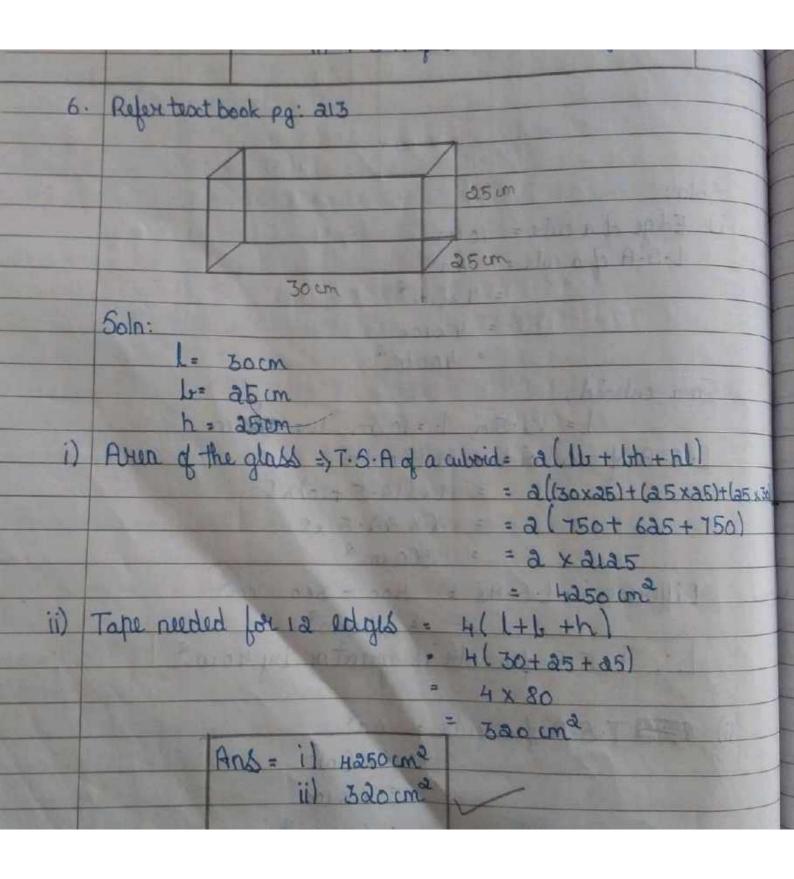


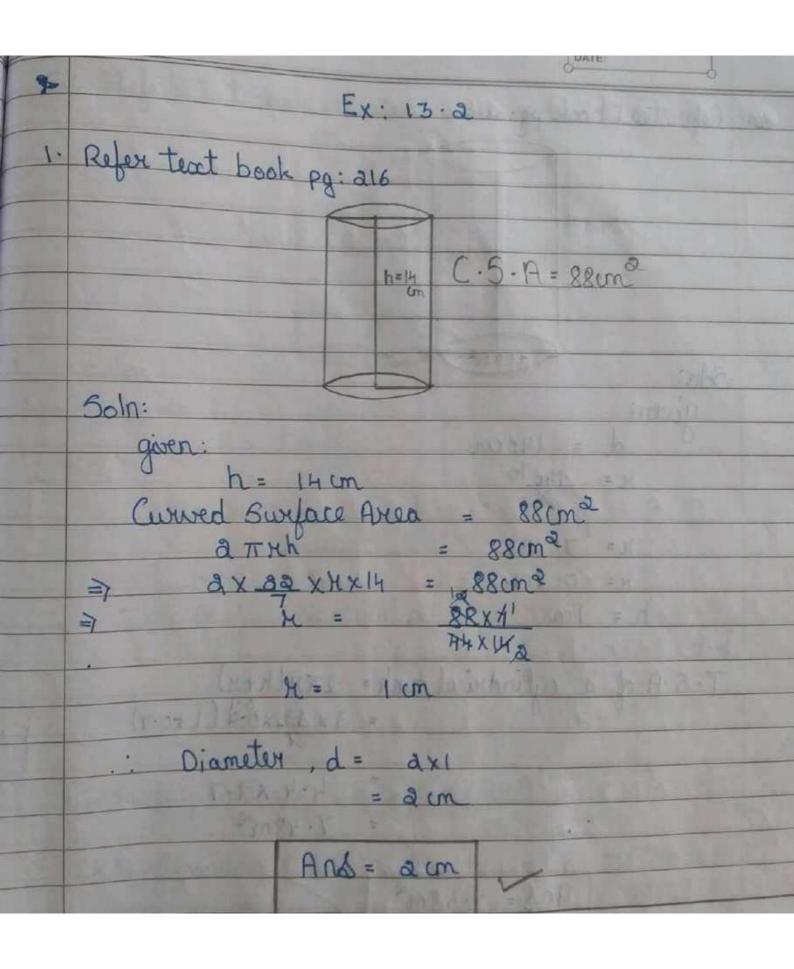


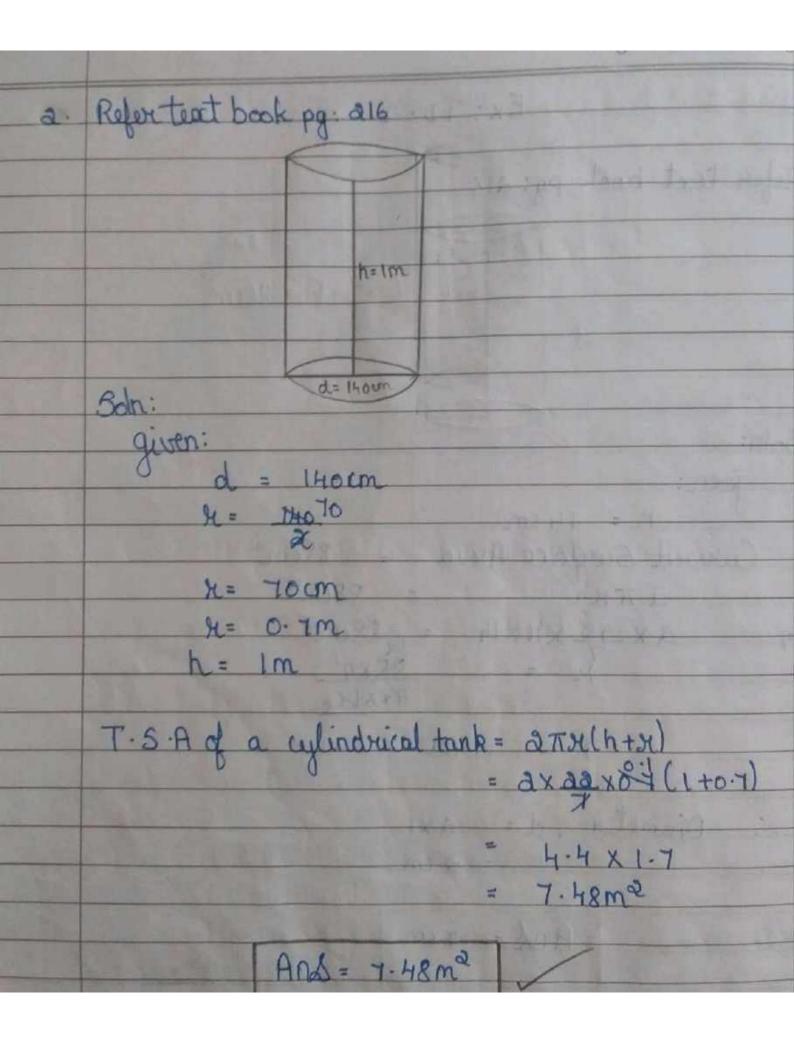


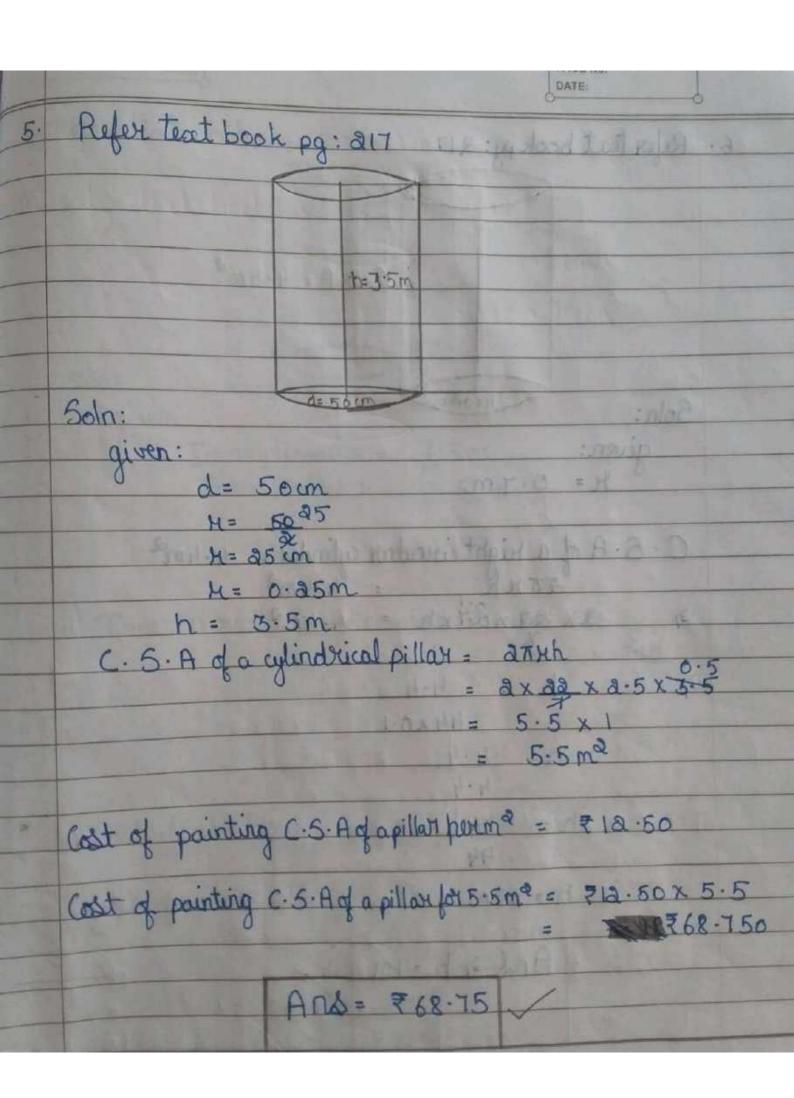
ii) T. 5. A of a cube = 60° = 6 × (10)° = 6 × 100° = 600 cm° T. 5. A of a cuboid = allb+bh+hl)

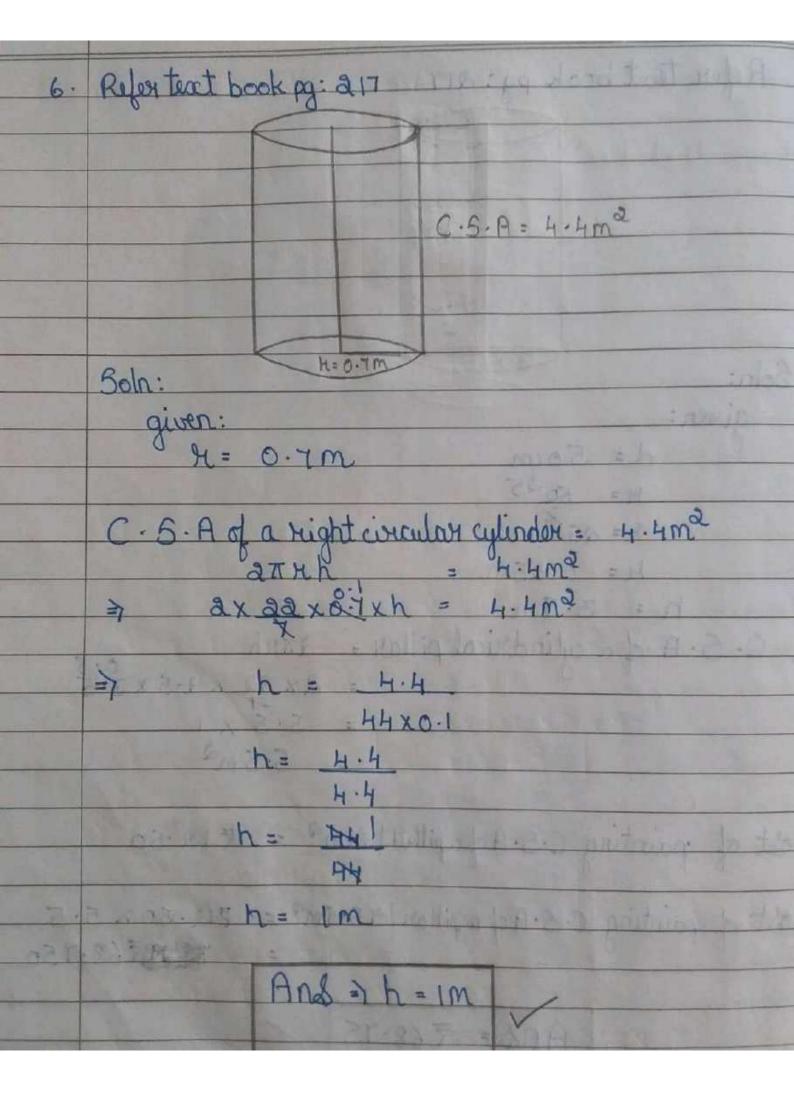


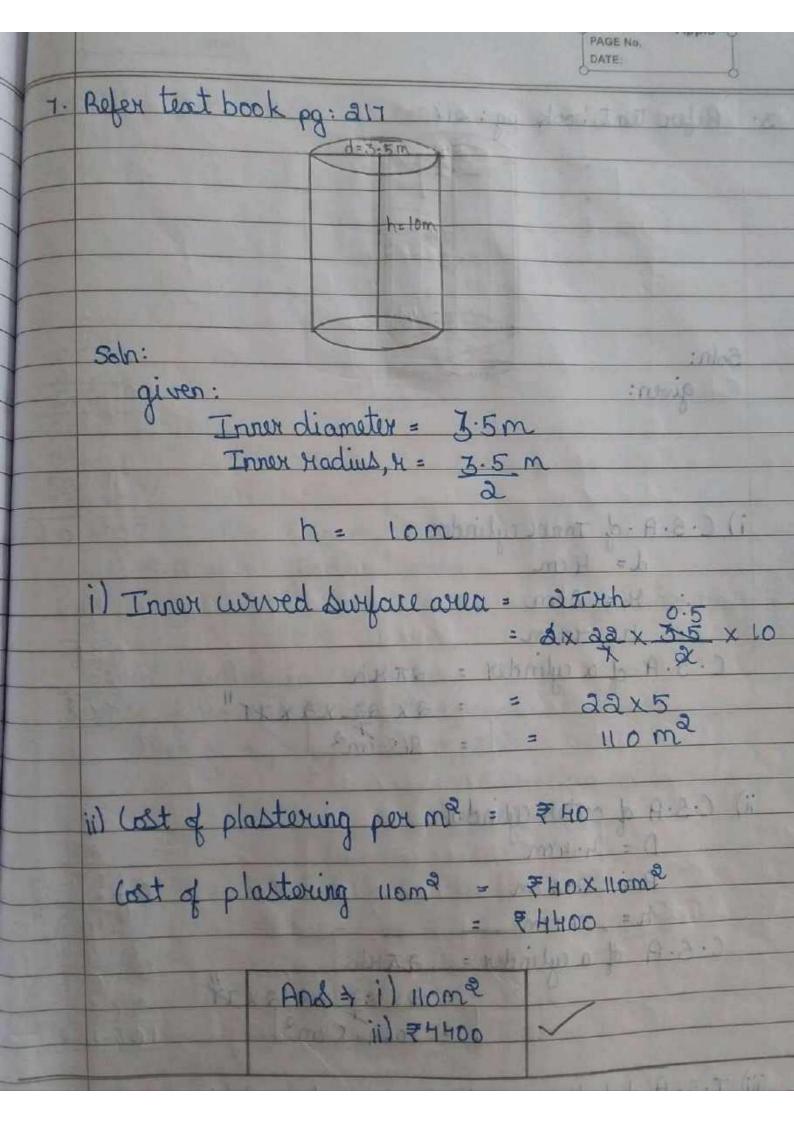


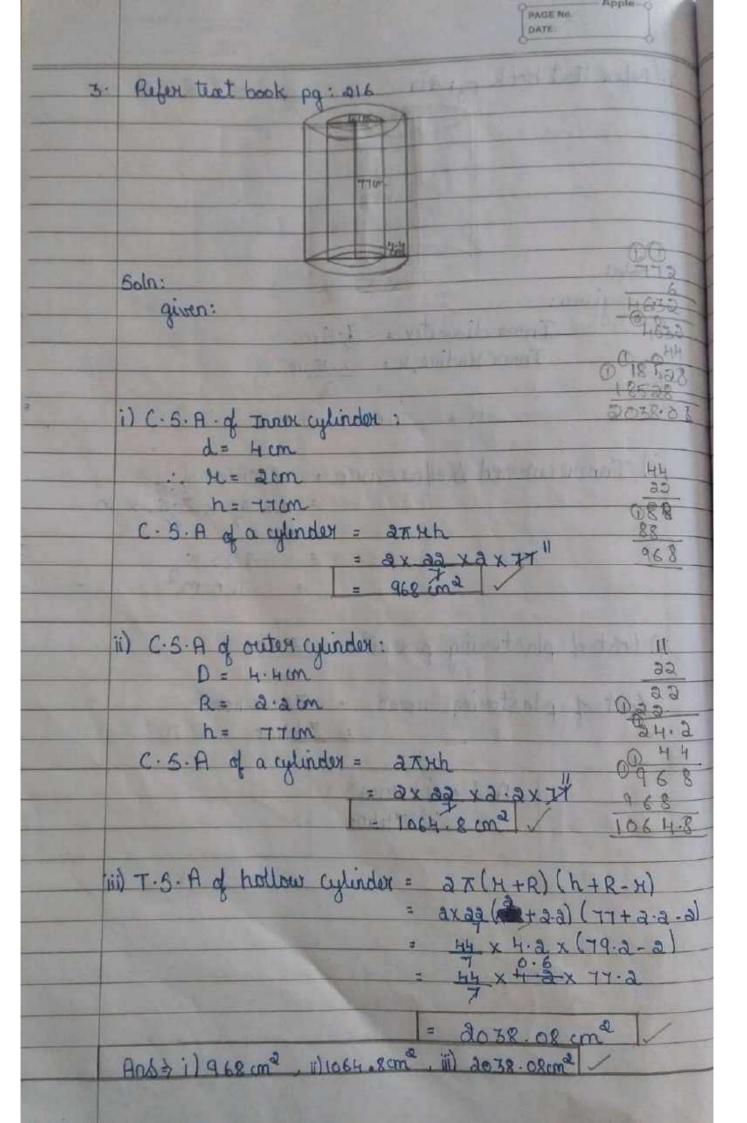


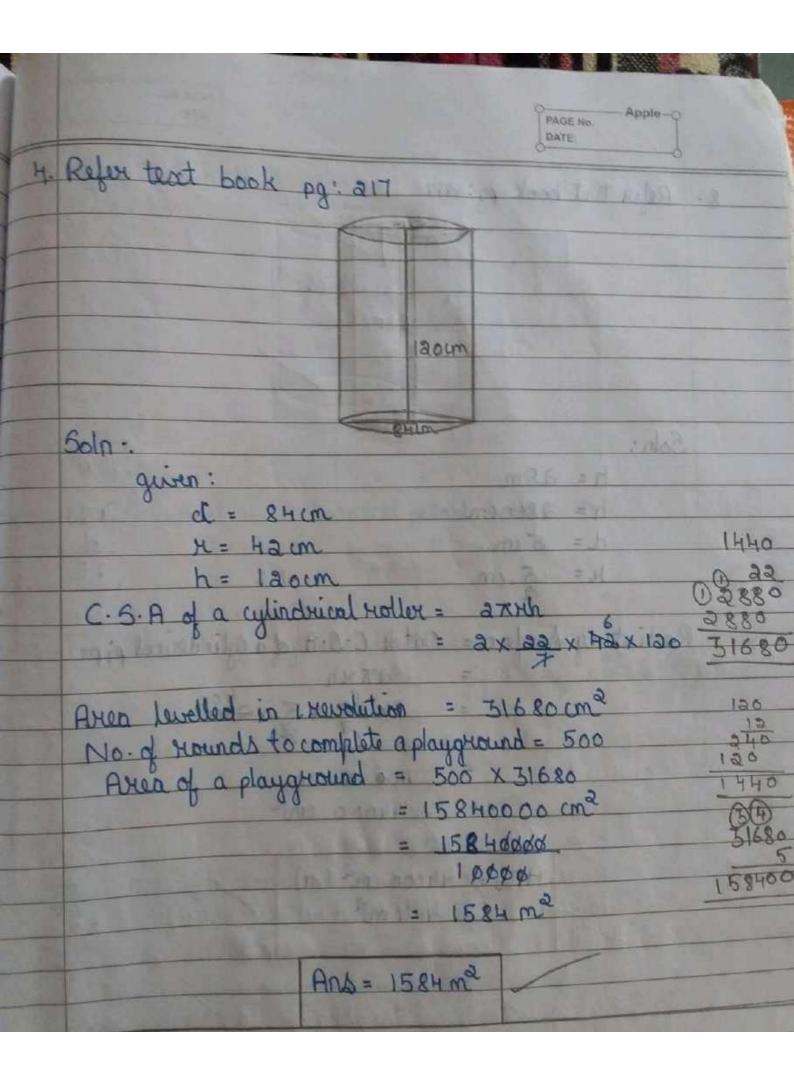


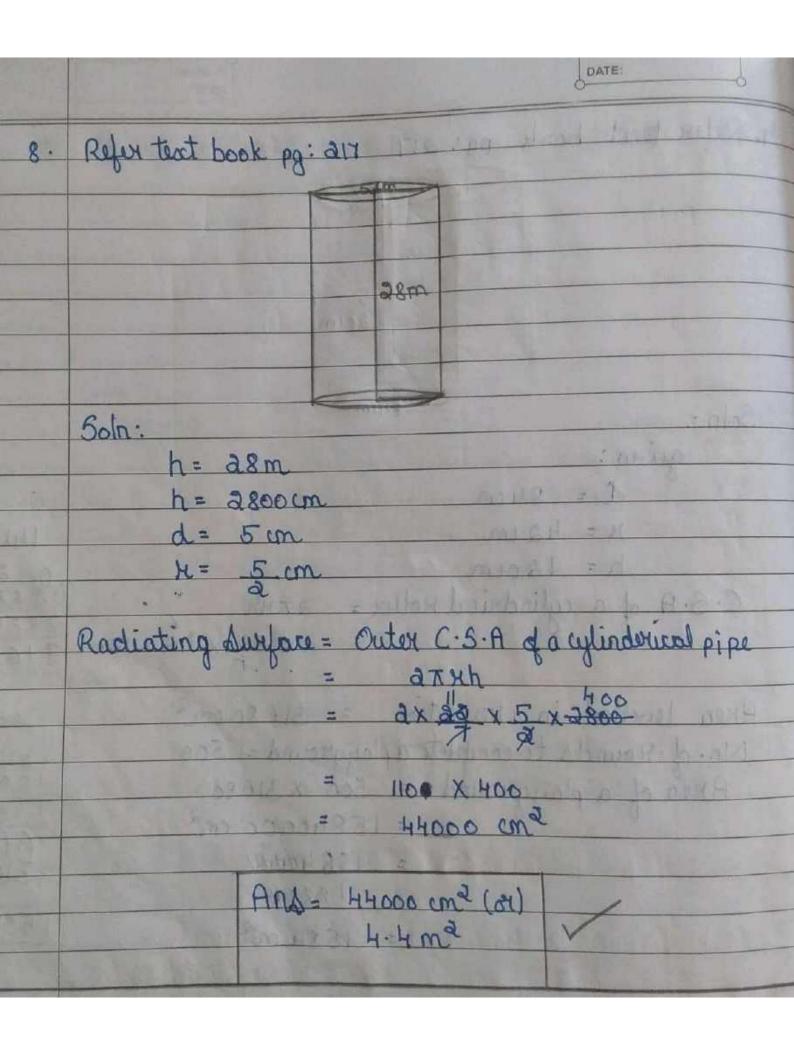


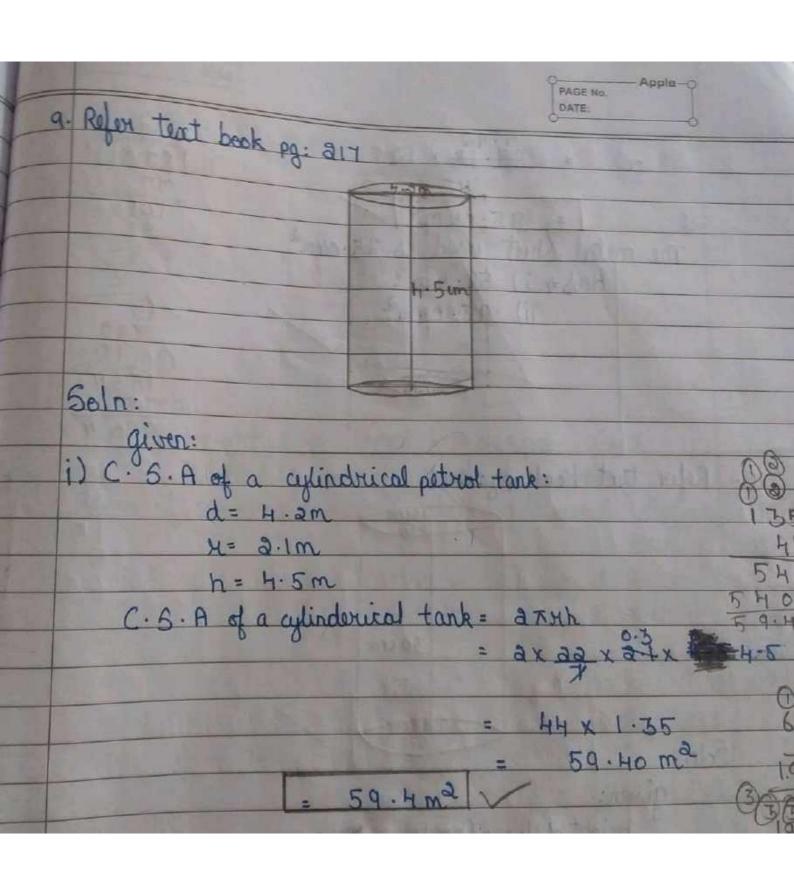


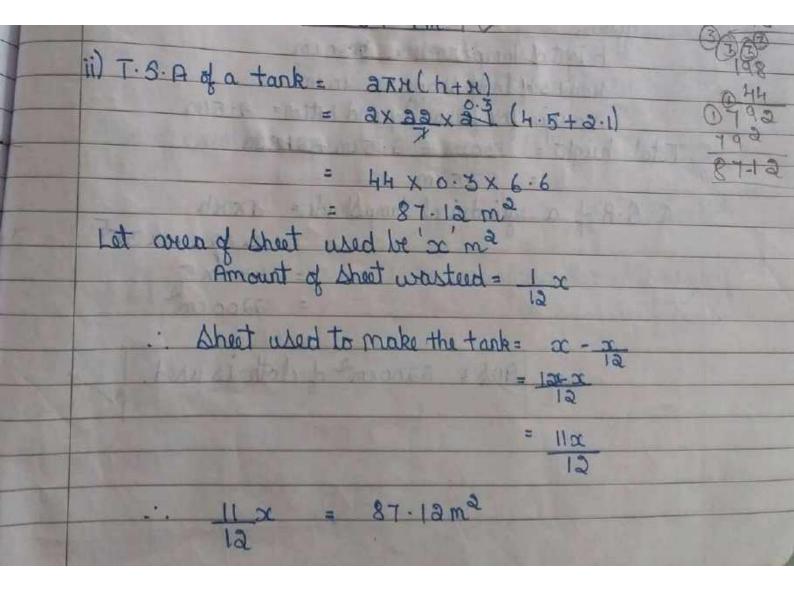


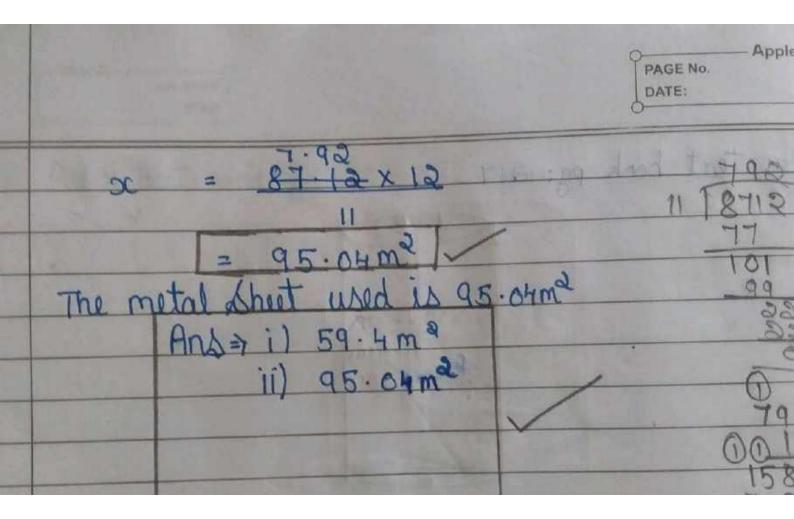


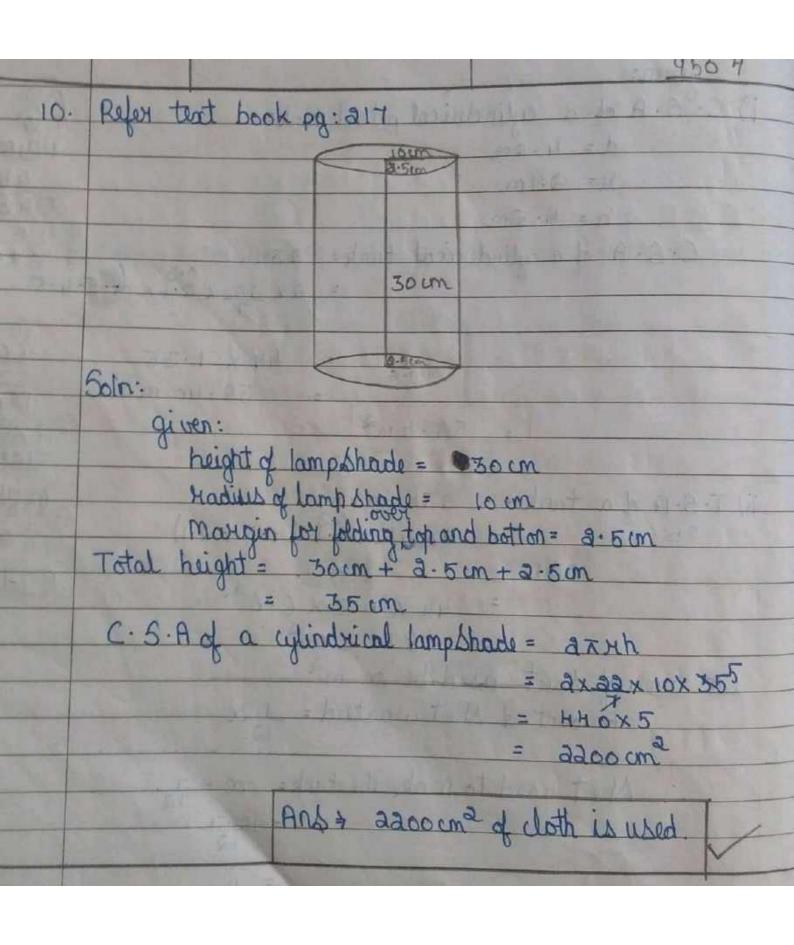


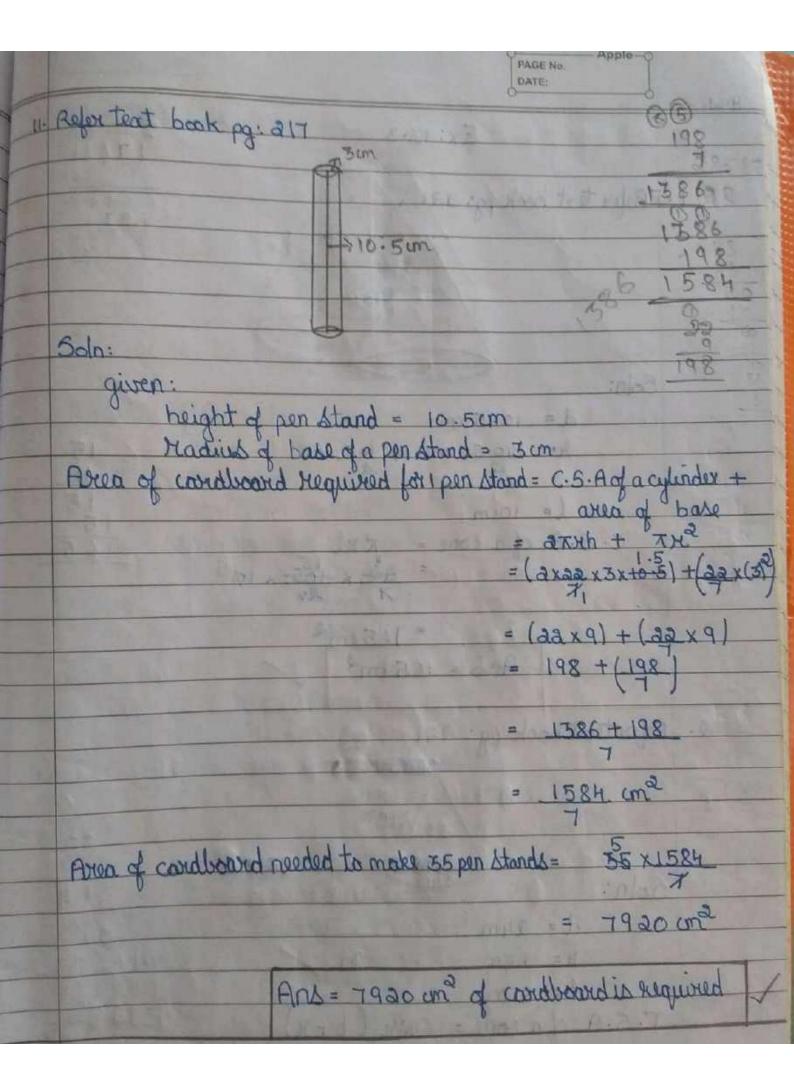


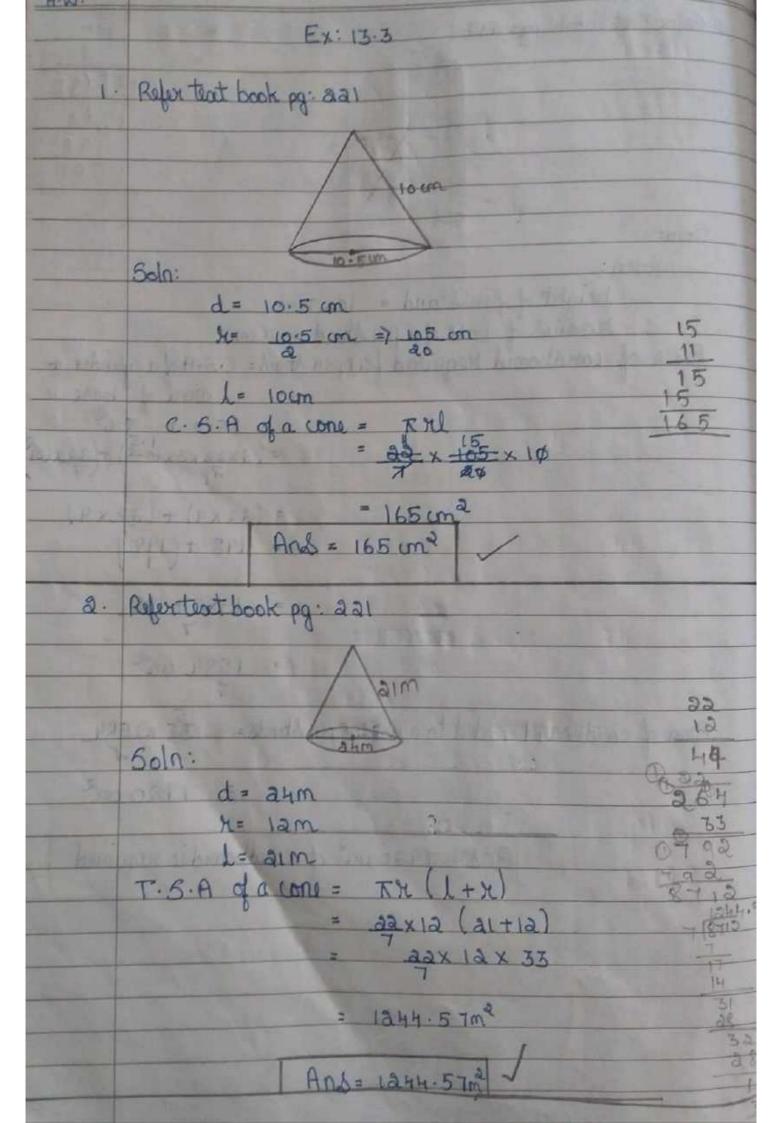


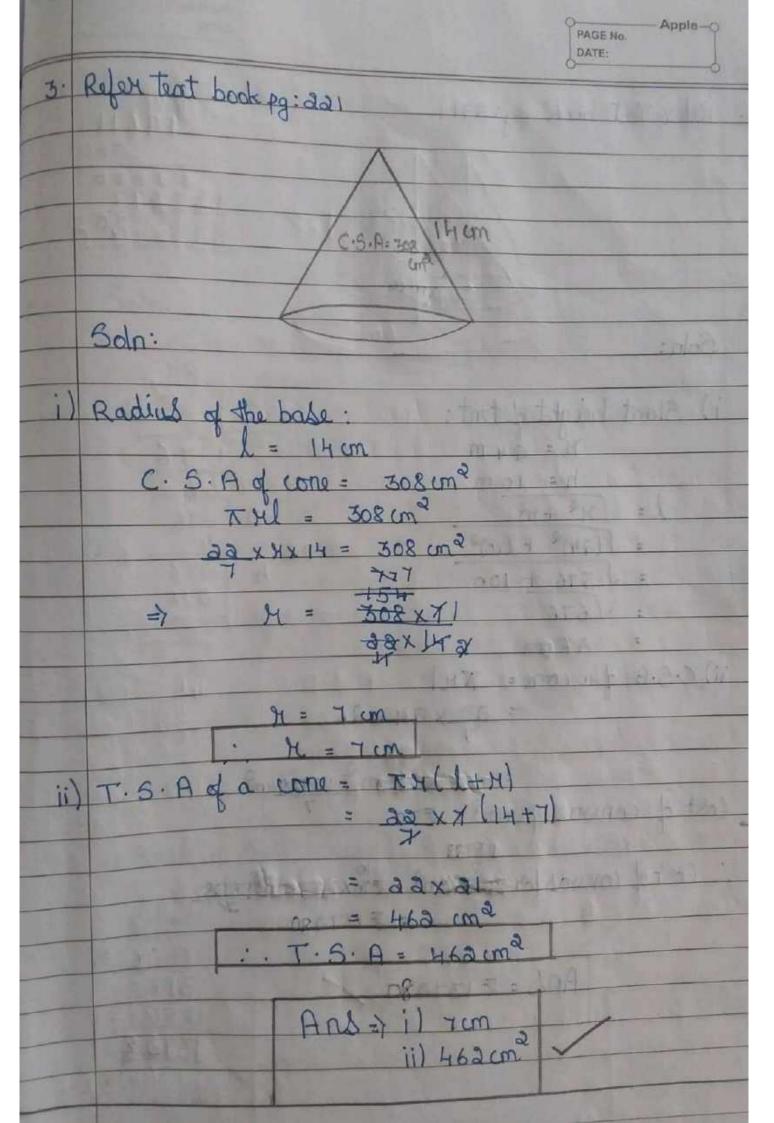






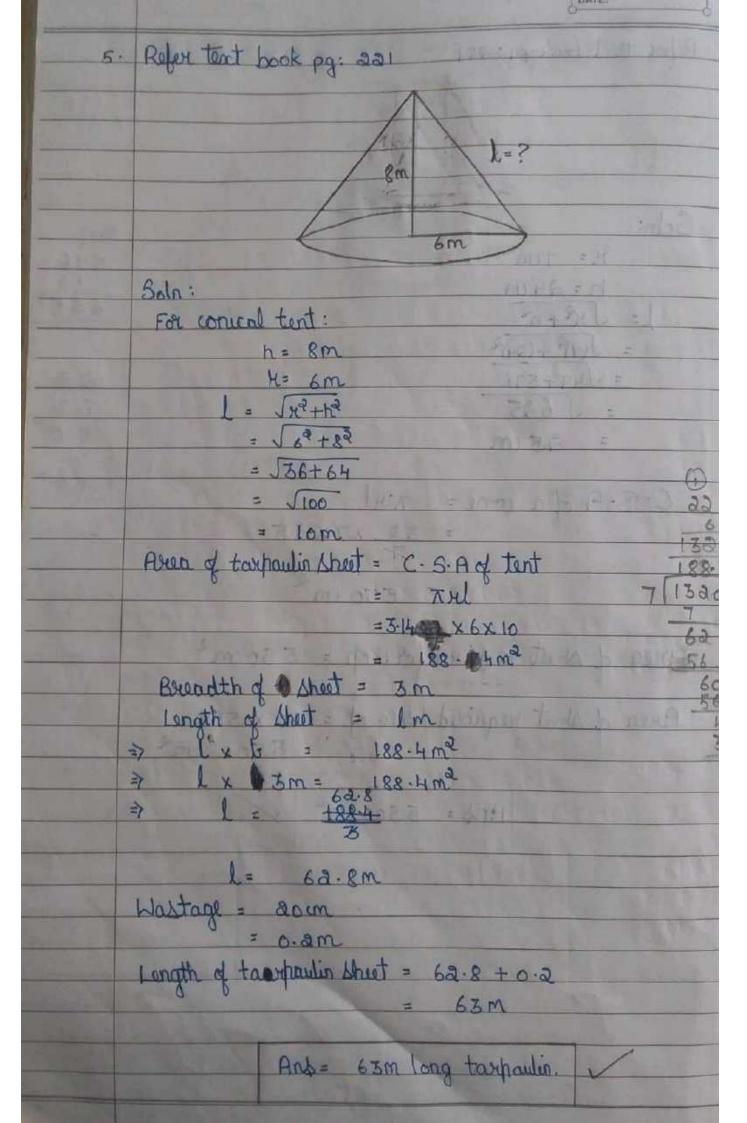


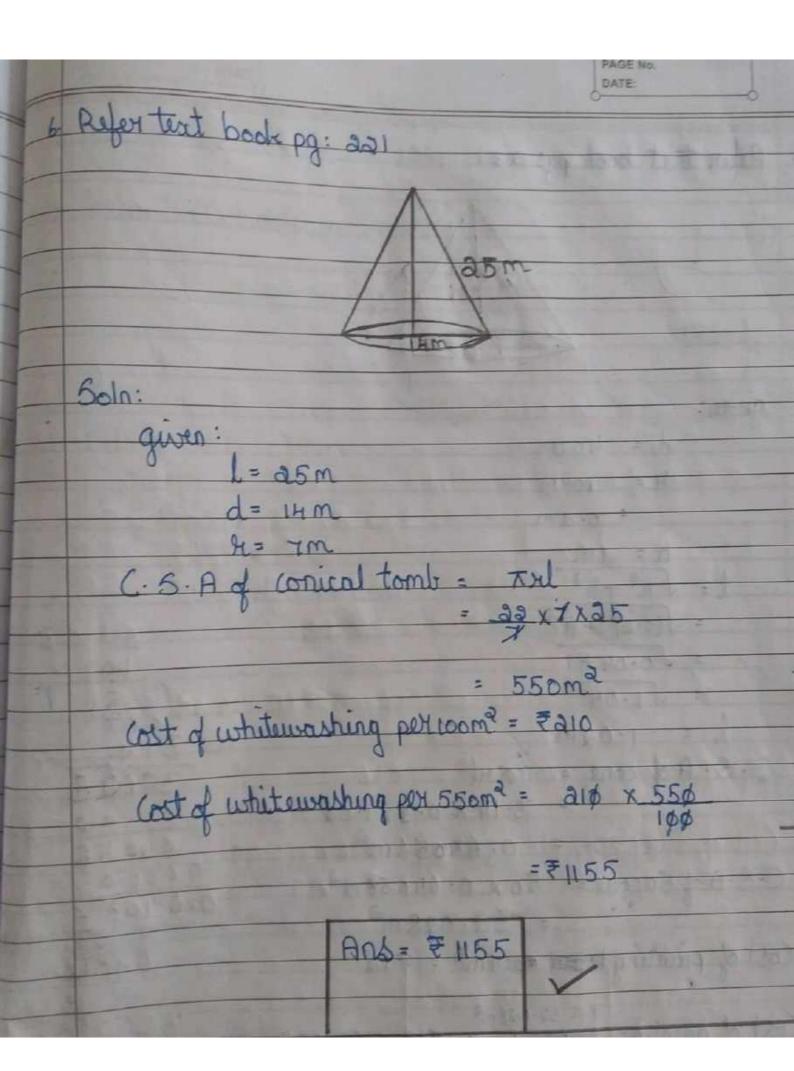




4. Refer text book pg: 221 Soln: i) Slant height of tent: h= 10 m Ha + ha = 5(24)2 + (10)2 = J 576 + 100 = J 676 = 26 cm ii) C.S.A of a cone = Txl = 93 × 94 × 96 = +061 19 cm 2 13728 cm2 Cost of cannot permo = \$70 (15) 28 = 800 = 210 x 13 = 10 x 13 = And = 7 137280

	PAGE No. DATE:	
7-	Refer teat book pg: 221	3
T.		
	altern	
	Soln:	00
	H= Tim	57
	h= 24 cm	66
	Y= 145+45	0
	= 7(18+(24))	0
	= 149+576	2 60 15
	= 5635	2
	= 25 cm	50
		5
	C.S.A of a cone = Tril	
1	= 22 x7x25 7 550 cm	
	= 550 cm <sup>2</sup>	
	The same of the sa	
	Area of sheet required for wap = 550 cm²	
-	Area of sheet required for 10 cap = 10 x 550 cm2	
	And = 5500 cm <sup>2</sup>	

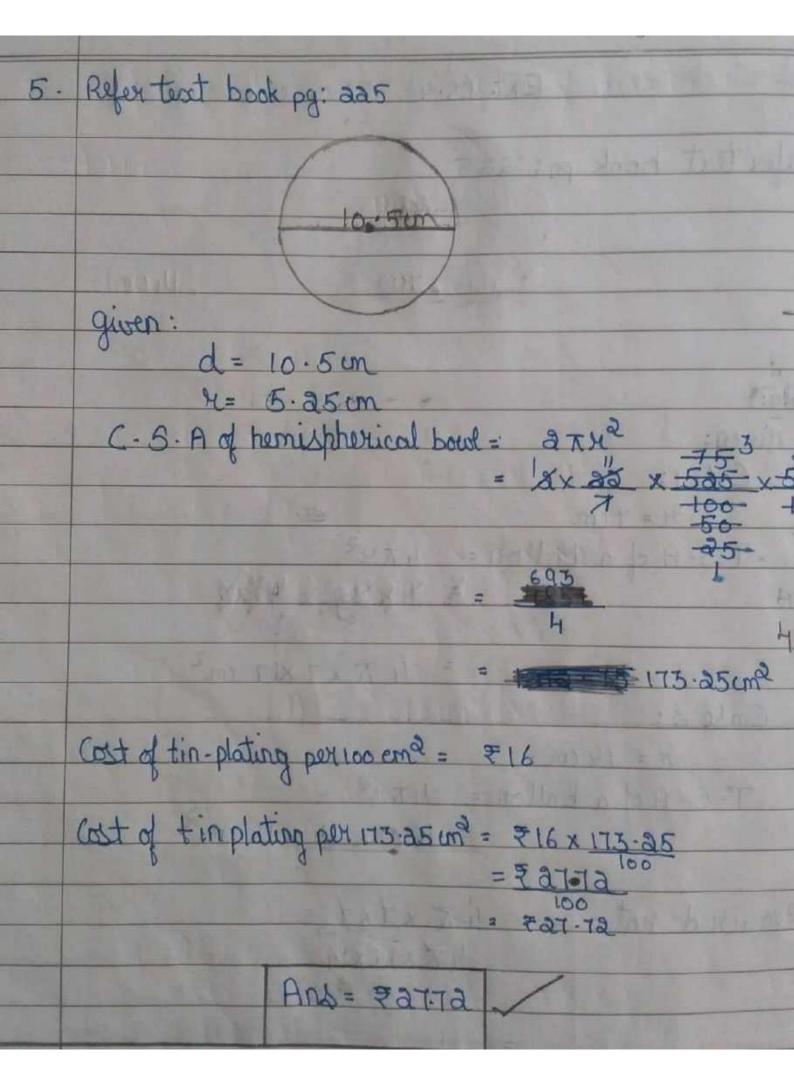




8. Refer test book pg: 231 1-02 m C.S. Ad come = 0-64056m C.S. Ad 50cone = 50x 0-64056m2 Cost of pointing paxme = = 12 (mt of pointing 500 sa. case = 71a x 3a.cas = ₹ 384.33 (approx And = ₹ 384.33 (approx)

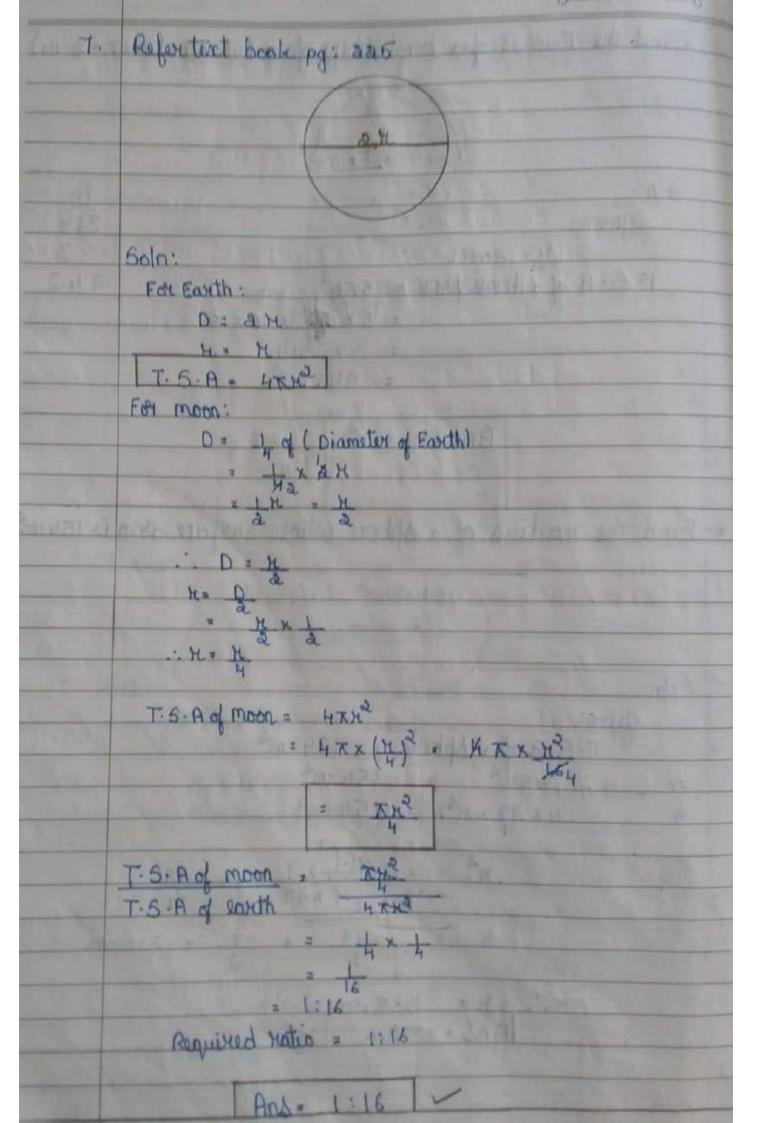
Ev. 12.	0
LX. 15.4	as the state of th
Relex text hook as and	
1. Refer text book pg: 225	
Tem	
	14 cm
Soln:	
	A CALL WALL
given: Case 1:	or Britain bara a
H=7cm	
T.S. A of a ballon = 47	H2
1 XX	HAR X SEE
Total Francisco	
Barrie to the things to 4	TX7X7 cm2
Cale a:	
H = 14 cm	marting mitch and by the !
-7 A A	
7.5. H of a ballon = 4 x	x 14 x 14 cm2
Chill be	
1 1 1 1 1 1 1 7 4 7	v +
Required ratio = 47 x 7	N I V I V
TANK	X VA
= 4	
= 1:4	
And = 1:4	1

OMIE



n bd			DATE:	
1: F	ind the Surface are	ea of a Spho	ne of madiu	L
ille	45 cm	10.5m		mul (
	Soln:			Nestrial Control
	J. S. A of Sphone	= 1/32	AL SERVH	na 5 x 10.5
	Total	= 1386		
	A	nd = 13861	ma	
i)	5.6m	-5	6um	3316
	Soln:  qiven:  H= 5.6m	3	A DE LA SE	o al
	T. S. A of Sphene:	= HXA2.X = HXA2.X = I7.6X		A MESS
		394.84	um a	
	P	ins = 394.	ghang	/

Apple-Q



8.	Refer text book pg: aas	(i)
	N 2 H	
	Sem Sem	HALL
Manual.	(Mala silvera = )	6
	Summer of the su	-0
	Soln: Settle : horizon salvar h sita?	aa
	given:	75
	Innex Hadius, H = 5 cm.	154
- N.	Thickness = 0.25 cm	185
	Outex Hadius, R = 5 + 0.25	-5
	= 5.025 cm	56
	Outer Curved Surface area = 2 xxxx2 0.75	10:
	= 8 x 93 x 3-92 x 2-0	15 AQ
	- 10 0 7	916.
	= 173.85 cm2	0 82
		000
	Ans = 173.25 cm2	165
lation		1 120
		the state of the same

