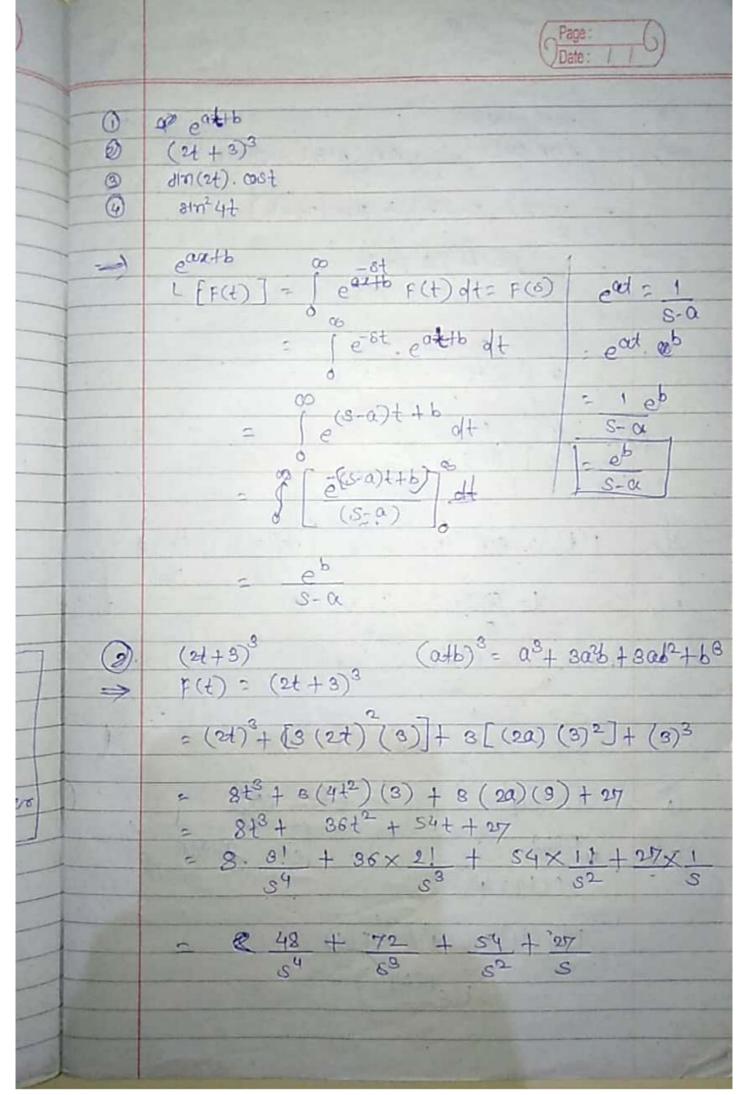
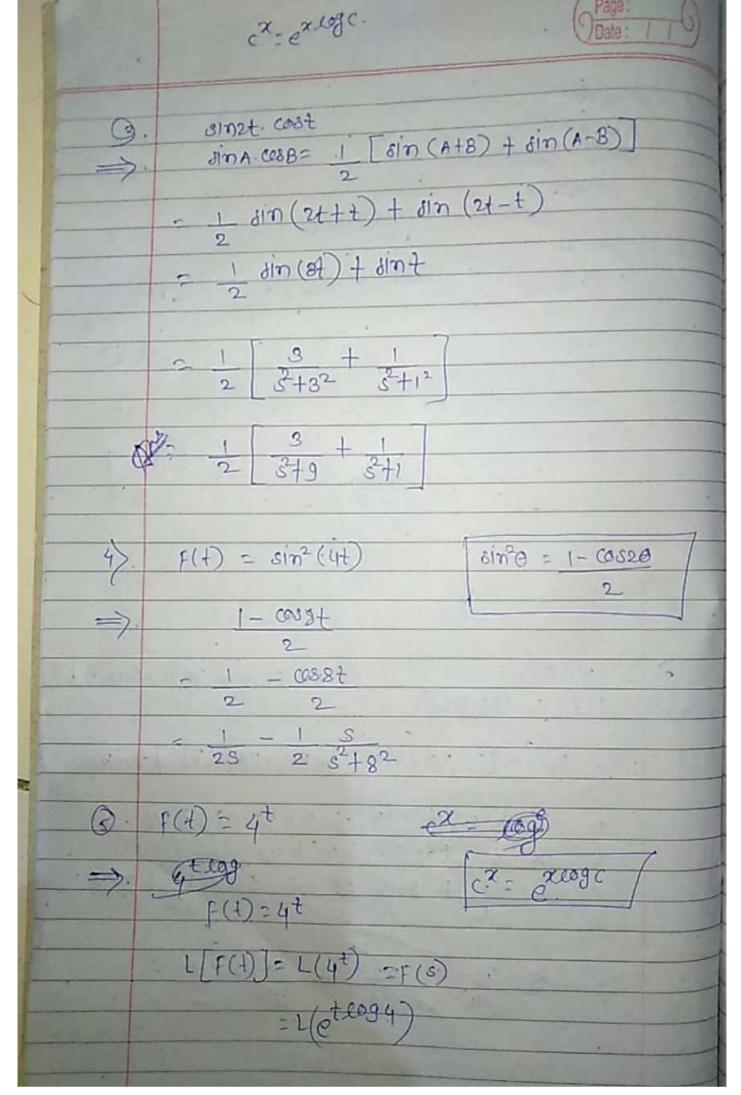
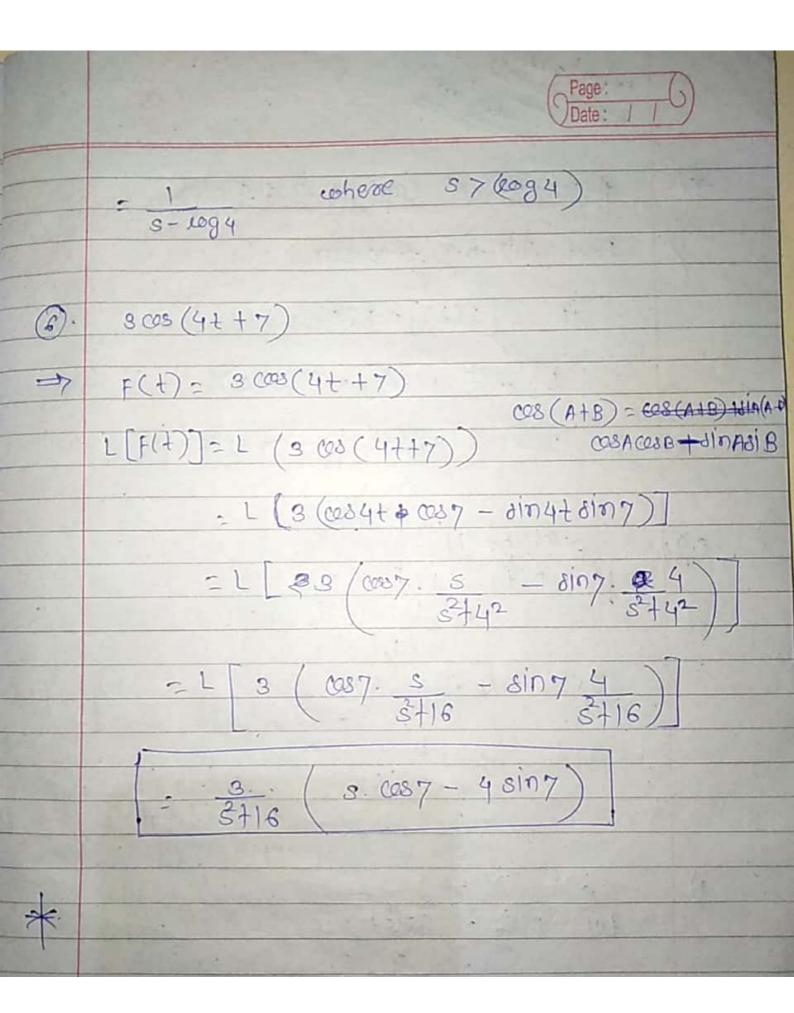


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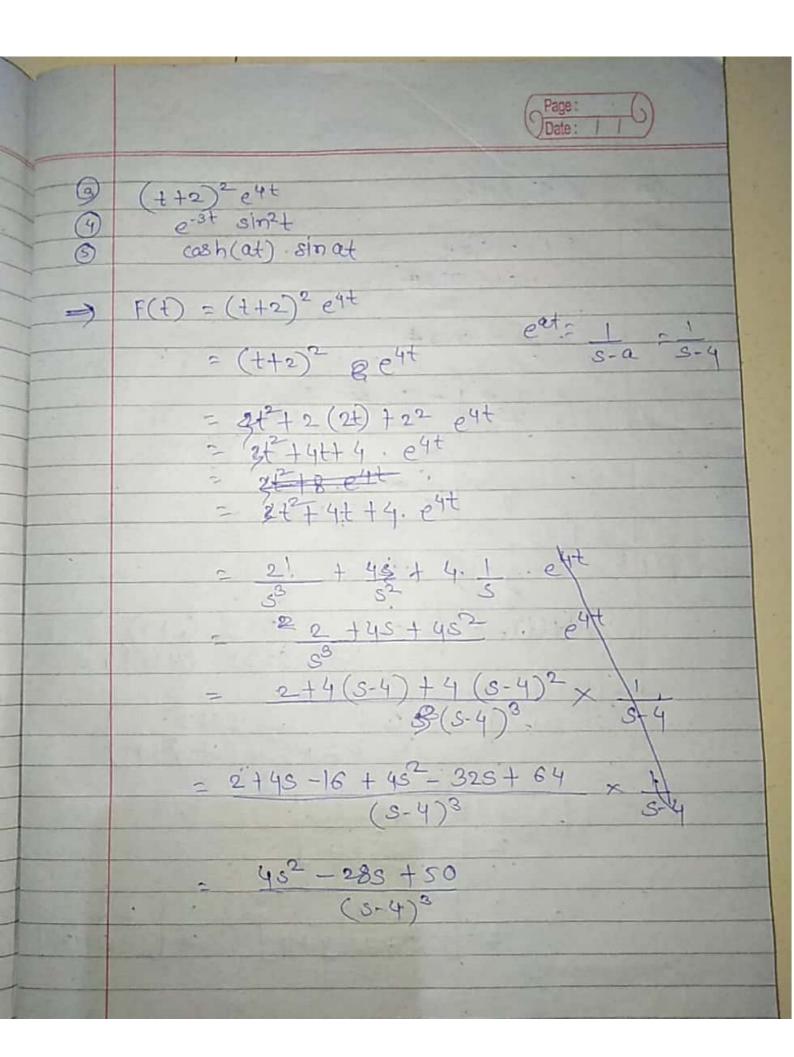


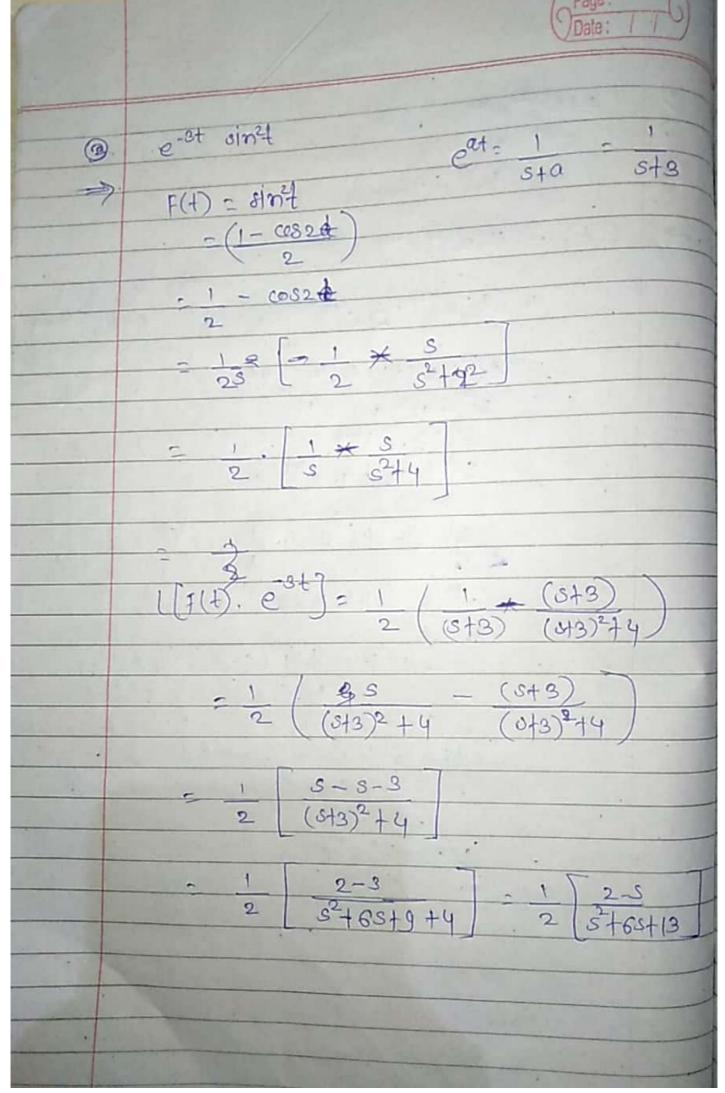
Scanned by CamScanner

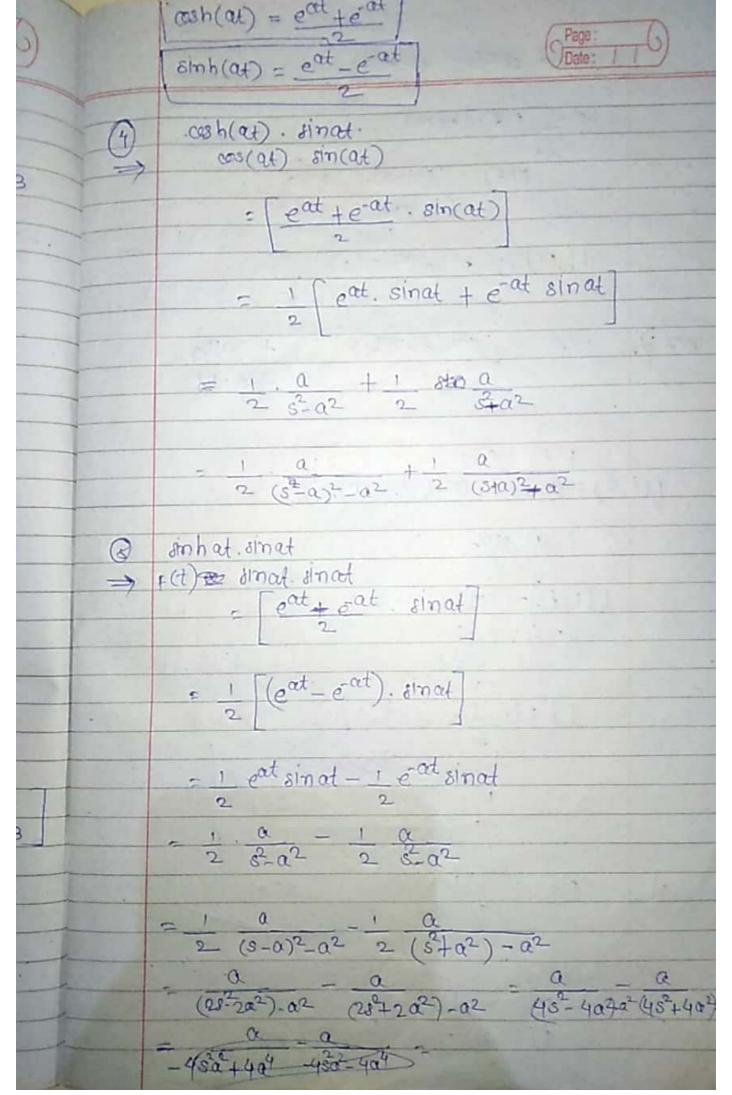


Luco
transform.
+ properties of captace toansform.
themen themen.
P. First shipting theorem.
if L[F(t)]=F(s)
$L[e^{at}.f(t)] = F(s+a)$
where s->sta
a = 0 $a = 0$ $a = 0$ $a = 0$
eg) e^{-at} $gin(bt)$ Let $F(t) = dinbt$
0 0
3+82
doly seplace n= n+a.
b
(Sta)2+ b2-
at could be
e) eat $cas(bt)$ lef $f(t) = cas(bt)$
204 + (+) = (1000+)
$\frac{s^2+b^2}{s^2+a}$
replace s= s+a.
$\frac{1}{(0+a)^2+b^2} = \frac{s-a}{(s-a)^2+b^2}$
(S-a)-162

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	+ second shirting property-
	$ \begin{array}{c} \text{if } L[f(t)]=f(s) \\ f(t)=f(t-\alpha) & t>\alpha \\ 0 & t<\alpha \end{array} $
	$L[f(t)] = e^{-\alpha t} \cdot f(s)$
ex 5: 17.	F(+) = (cos (+-21/3) + > 21/3 + < 21/3
F(t-	f(t) = abt $a) f(abct) = cos(t - 211/3)$ $a = 211/3$ $cos(t - 211/3)$ $cos(t$
2)	$f(t) = \int_{0}^{\infty} (t-1)^{3} + 71$ (ef $f(t) = \int_{0}^{3} t(t-1)^{3} + 71$ $f(t) = \int_{0}^{3} t(t-1)^{3} + 71$

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