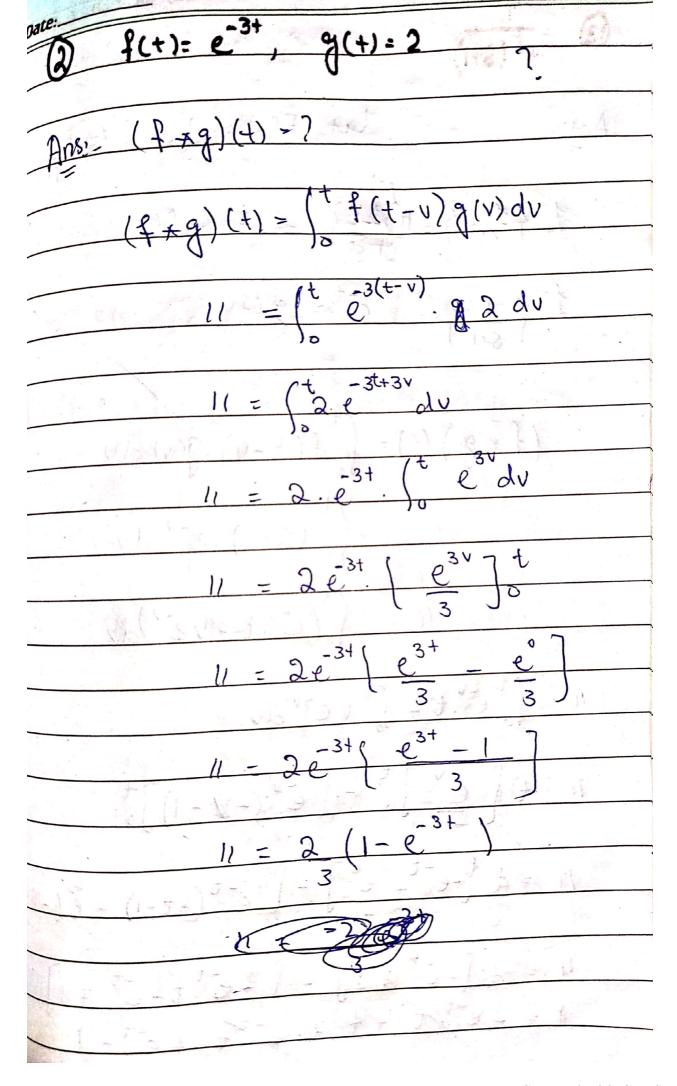
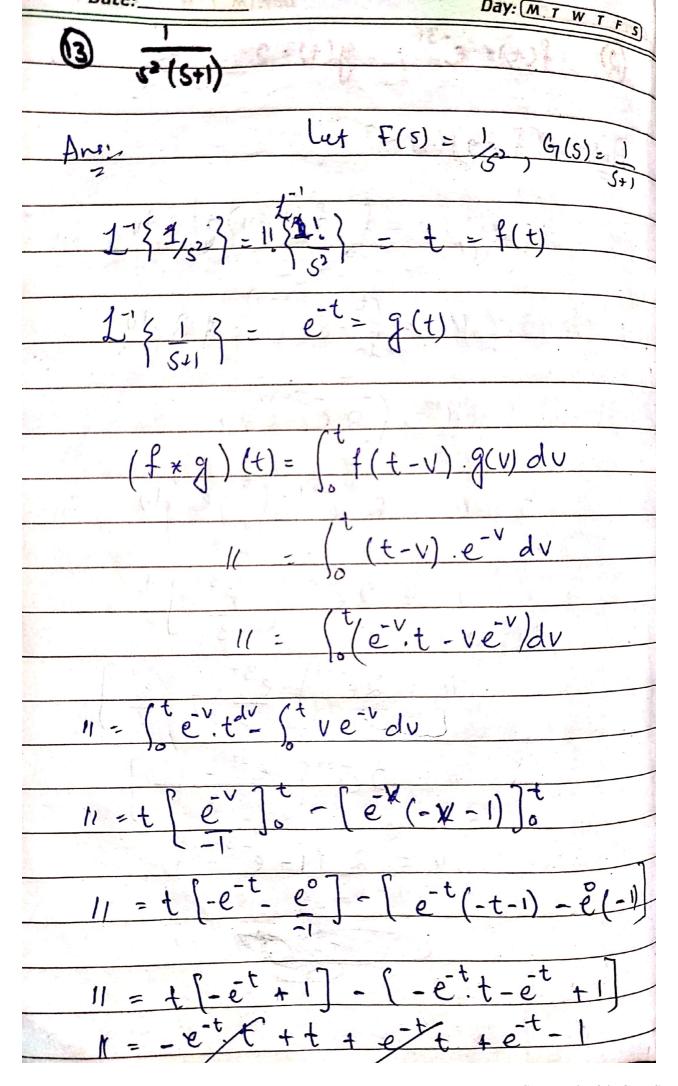
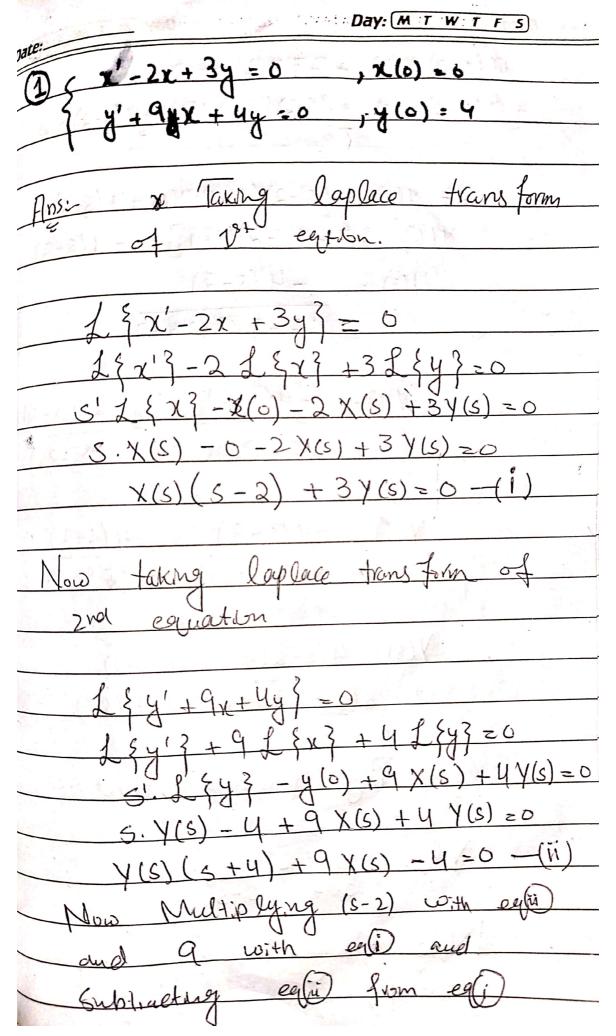
- XERCISE f(4)-1 ) g(+)。 t2 (1\*9)=(tp(t-v),g(v)dv





Day: M T W £(s)

$$\frac{11}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} + \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) + \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{e^{-3y}}{-3} \right)^{\frac{1}{2}} \right) - \frac{1}{2} \left( \frac{1}{2} \left($$



Day: M
9(s-2) x(s) + 27 y(s) = 0
+9(s-2)x(s) + (s-2)(s+4)y(s) -41c
+ (S-2)=0
27 Y(s) - (s-2)(s+4) Y(s) +4(c)
V(S) [ 27 (C 2) (C 17
11(s) 11(s-2)
$\frac{7(S)}{2} = \frac{-4(S-2)}{2}$
27-[52+25-8]
Y(s) = -4(s-2)
V(s) = -4(s-2) - 4(s-2)
27-5'-25+8 -52-25+35
$Y(s) = \frac{44(s-2)}{4(s-2)}$
$7(S^{2}+2S-35)$ $S^{2}=5S+7S-35$
Y(s) = 4(s-2) 4(s-2)
$S(s-5)+7(s-5)=\frac{1}{(s+7)(s-5)}$
By partical fraction.
The state of the s
Y(S) = 3 S+7 S=C
N1 S-5
1 1600 taking priverse levoluce
transform I require

X(s) (S+7)(S-2) =-12
$\chi(s) = -12$
(S+7)(S-S)
$\chi(s) = -1 + 1$
S-5 S-17
Now talling inverse laplace
transform.
$\chi(t) = -e^{5t} + e^{-7t}$
- + (5+ ) (3) (4)
(x(E) = e - e
y(t) = 3 = 7 + est
(20) m=4, k=16, x(0)=1, x'(0)=0
M=4, K=16, X(0)=1, K(0)=0
Ans: $\langle m d^2n + kn = 0 \rangle$ $= \langle m d^2n + kn = 0 \rangle$ $= \langle \chi(0) = 1, \chi'(0) = 0 \rangle$
$\frac{1}{\chi(0)} = \frac{1}{\chi(0)} = 0$
The state of the s
4x"(t) + 16x = 0
4 ( ( ) , 10 , ( )

