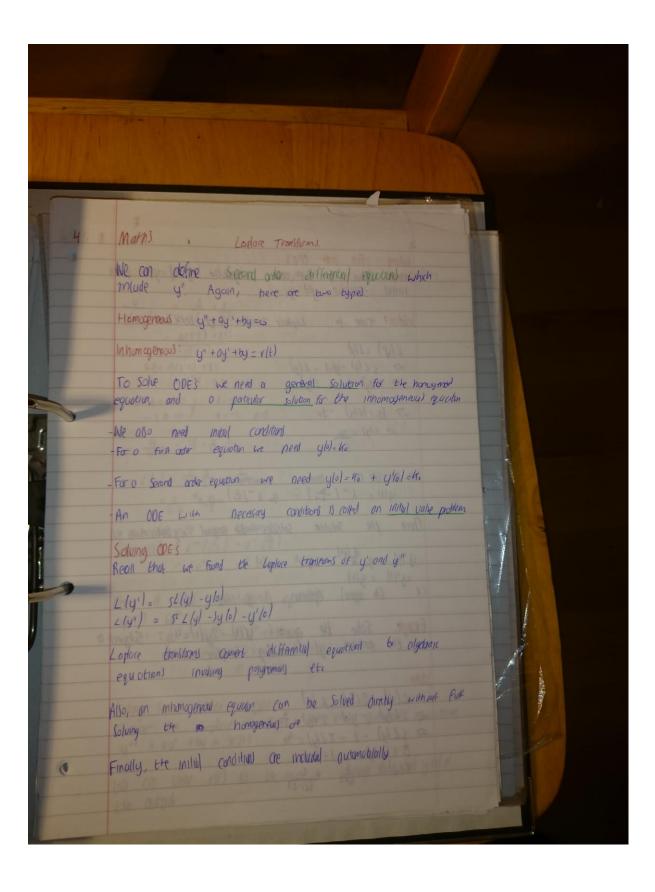
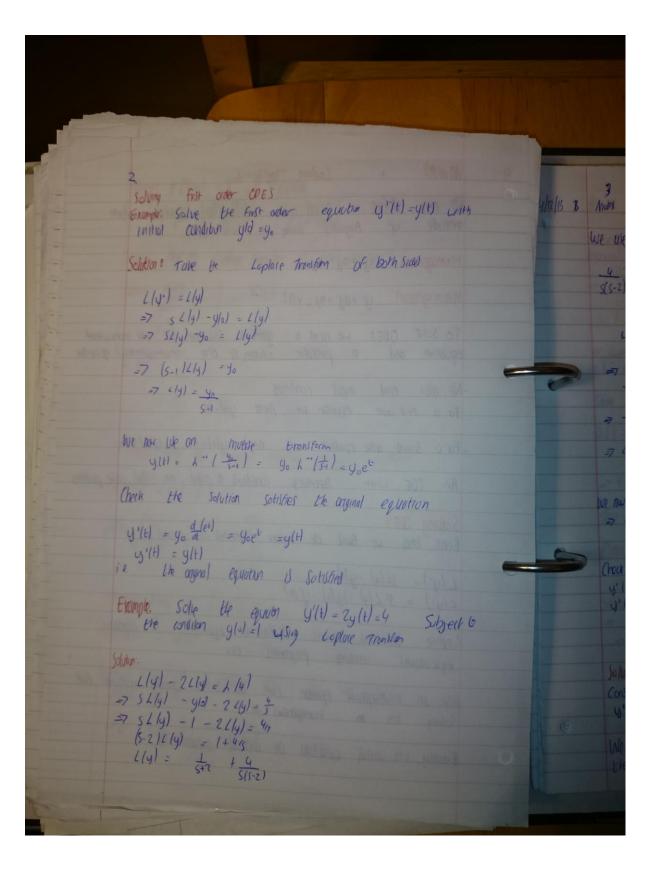
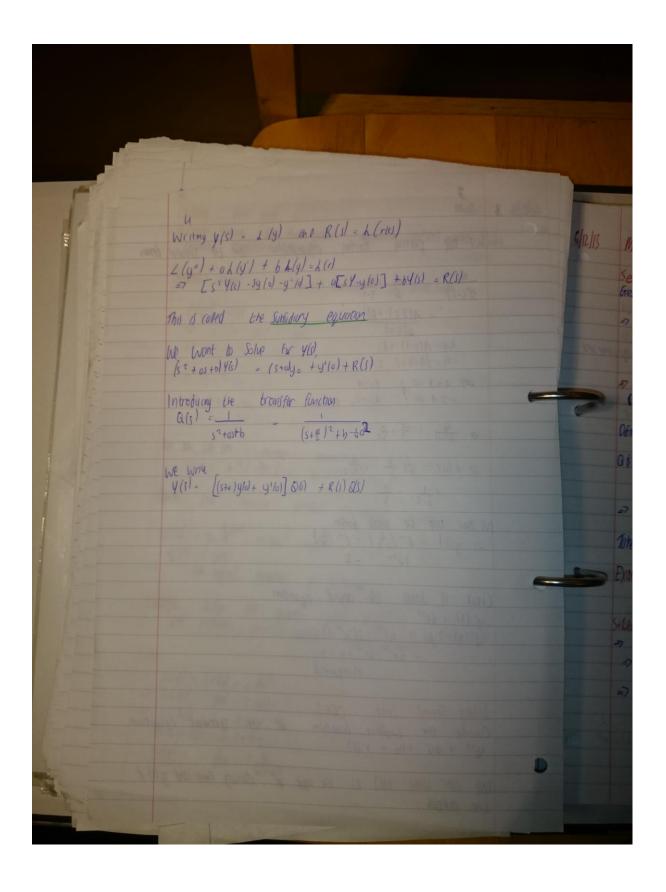


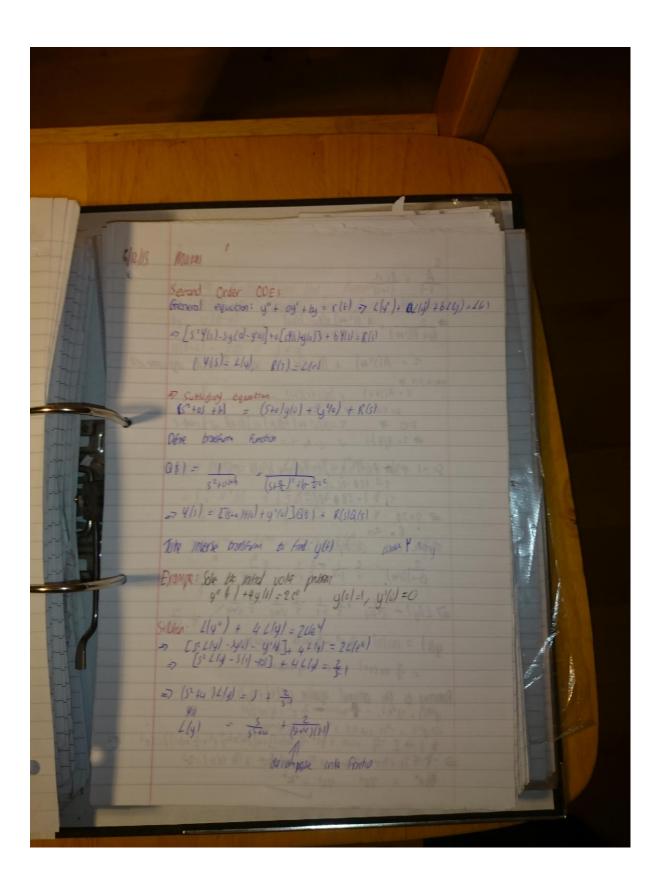
	Mineral
April: F(S-a) = 500 ets-alle f(Hdt	3
$= 10^{\infty} e^{-4t} \left[e^{4t} \left[\left(t \right) \right] \right] dt = 2 \left[e^{4t} \left[\left(t \right) \right] \right]$	Mari
Example: Find the Laplace Transform of y(t) = 7et +3et	We a
1.00 0.00 0.00	Homo
Char Alt) Fl1) eat 5-c to 1 soc	Inhum
Brown From the Landon of Mills of the Committee of the Co	To s
$\frac{1}{2} \frac{1}{2} \frac{1}$	equot
$\frac{-2}{5-1} + \frac{3}{5-2} = \frac{55.7}{(5-1)(5-2)}$	-Ne o
Example: Find the Laylore Transform of gitt = eact?	-For o
Solution: Ly)=L[eot th]= F(s-a)	An
	Salu
$NOW F(s) = L(t^n) = \frac{n!}{s^{n!}}$ =7 $L(y) = F(s-a) = n!$	Real
$=7 \ \text{L/y} = F(S-a) = n!$ $(S-a)^{n+1}$	Lly
Example Find L-1 (52-41+5)	419
Solution: 52-40+5 - (5-2)2-4+5 = (5-2)24/	Loplo equ
Sing L-1 (241)-Sint culling ord	Also
Sing L-1(styl-sint calling F(s): styl and f(t): Int we don	Solv
=7 [(5-1015) = [(5-1741) = e26 Smt	E Fino
U SME III I	

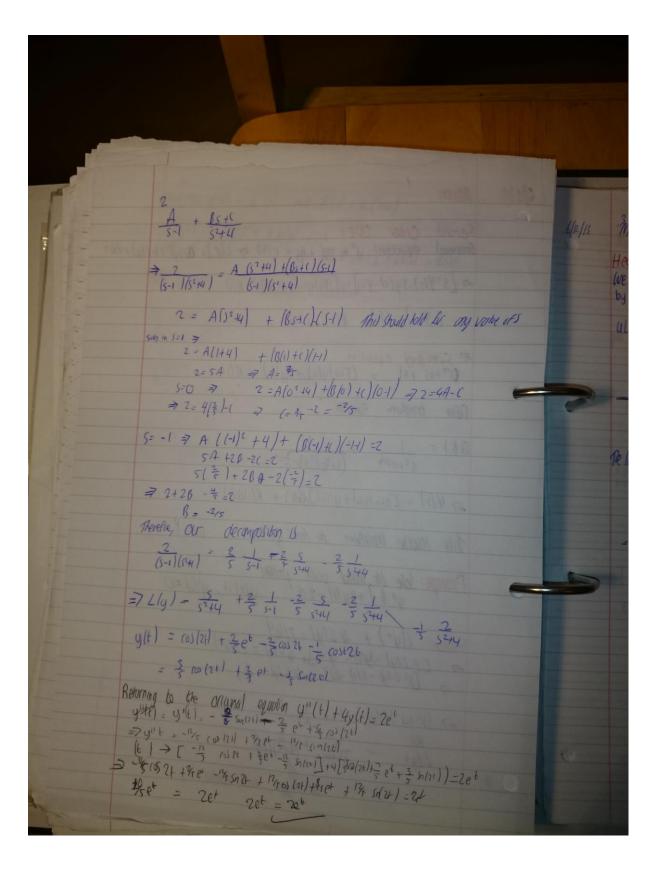


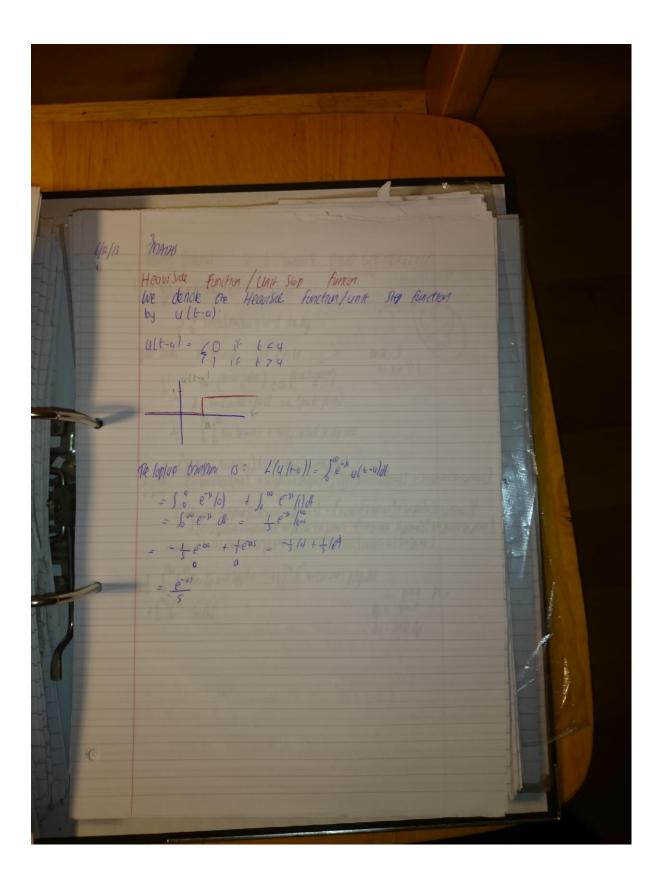


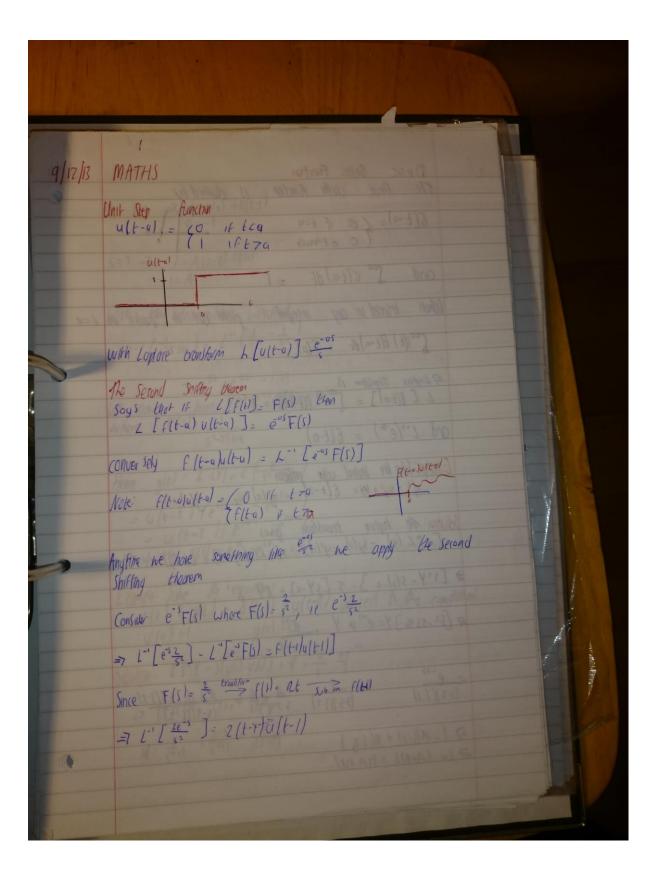
4/11/18 I MON We we patril froton strongular on the sense to - A(52) + B() 64 A(52) +85 4= (4+8)5-28 -7 A - 1 4 - 2 12 刀 (月) = 女子 · 老 We now tok be more booking (roa it sold the agent experience) y'(1) = 66" y'(1) - 24) = 66" - 7[2" -2] - 60°-60° 20-4 a court Solving Second Crose Edit of the general equation y" + ov + by - r(2) WE CON VIEW rise as the maje or during time and yell of the output

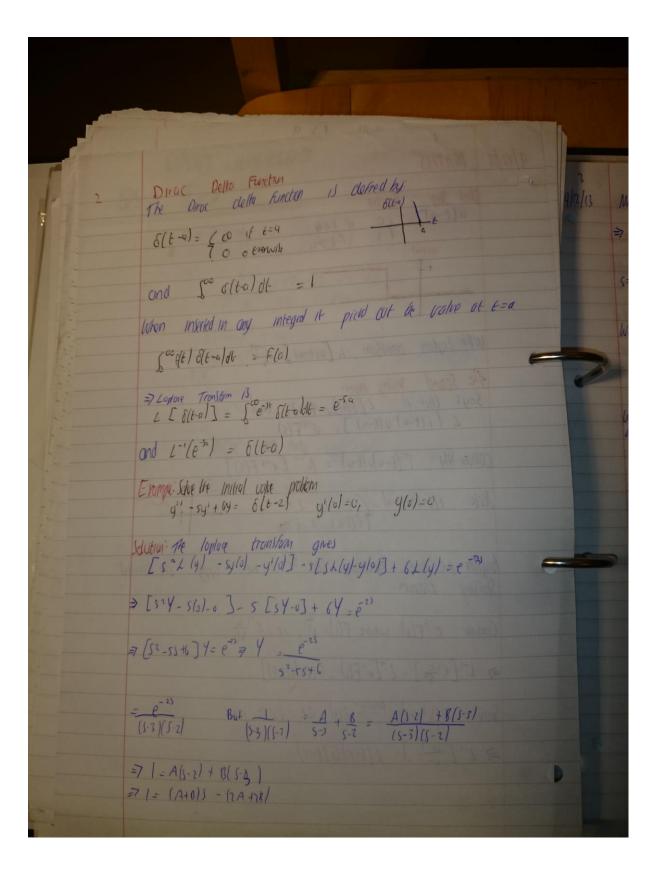


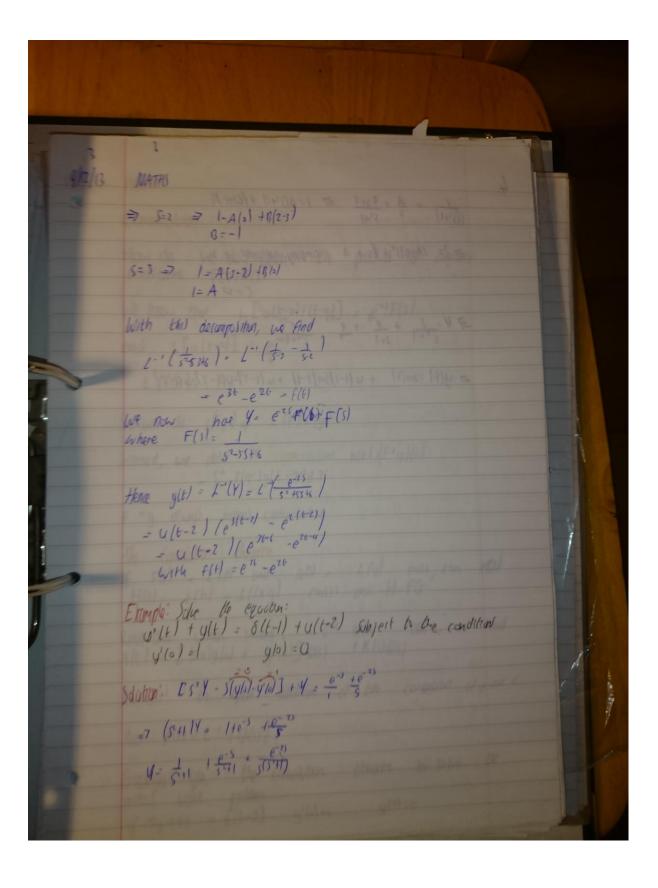


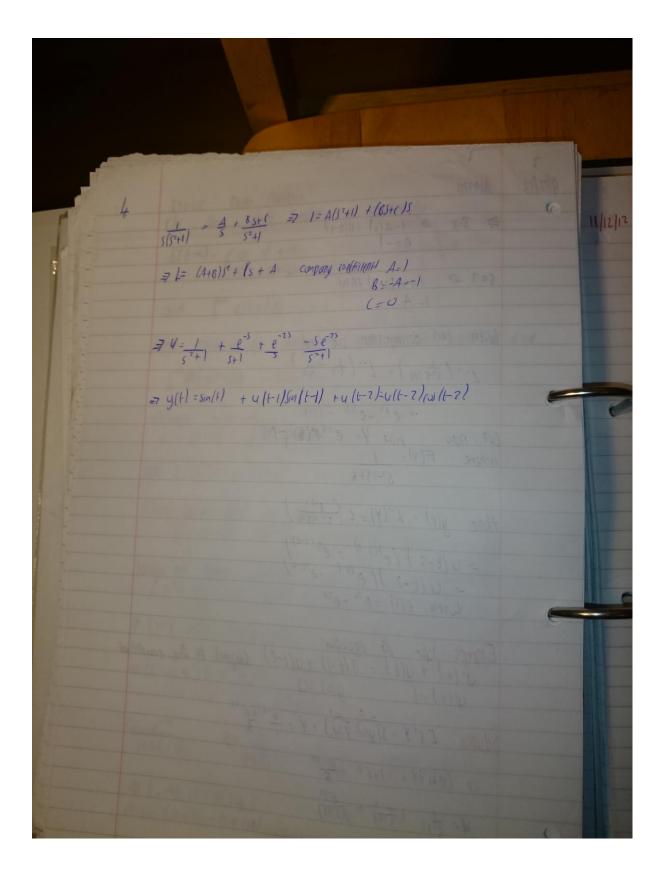












2 Solution: The Loplace broadon good [s=Ligi-syld-y-v3]-s[s/19]-y(0)]+ 6 L/y)=0=0 Work [[s 1-0]] = e^{-at} =7 [s=Y-x 0]-61] = s[sY-10] + 6Y=e^{-2t}	3 11/12/13 MATH) 13/11 = 5° 13/11 = 5° Recall 5° F(1)
$ s^{2}-5s+6 Y-e^{-3} $ $= Y = \frac{1}{5^{2}-5s+6} = 0(5)R(1)$ $ W _{S}^{2} = \frac{1}{5^{2}-5s+6}$ $ R _{S}^{1} = e^{-2s}$ $ S _{S}^{2} = \frac{1}{5^{2}-5s+6}$	1. t-2 the inlight i.e. 2. t-72 Non-3 Since take i.e.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
9 (t): est-est Also (16) = 5(t-2) Since 4(s) = 0(s) R(s) we apply convolution theorem to	This is

