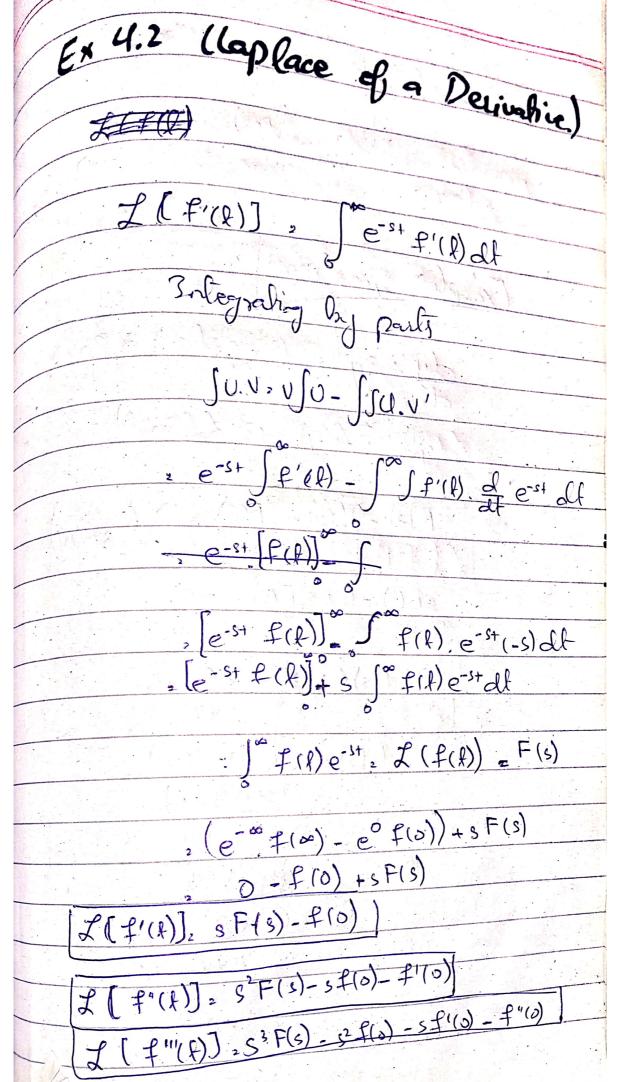
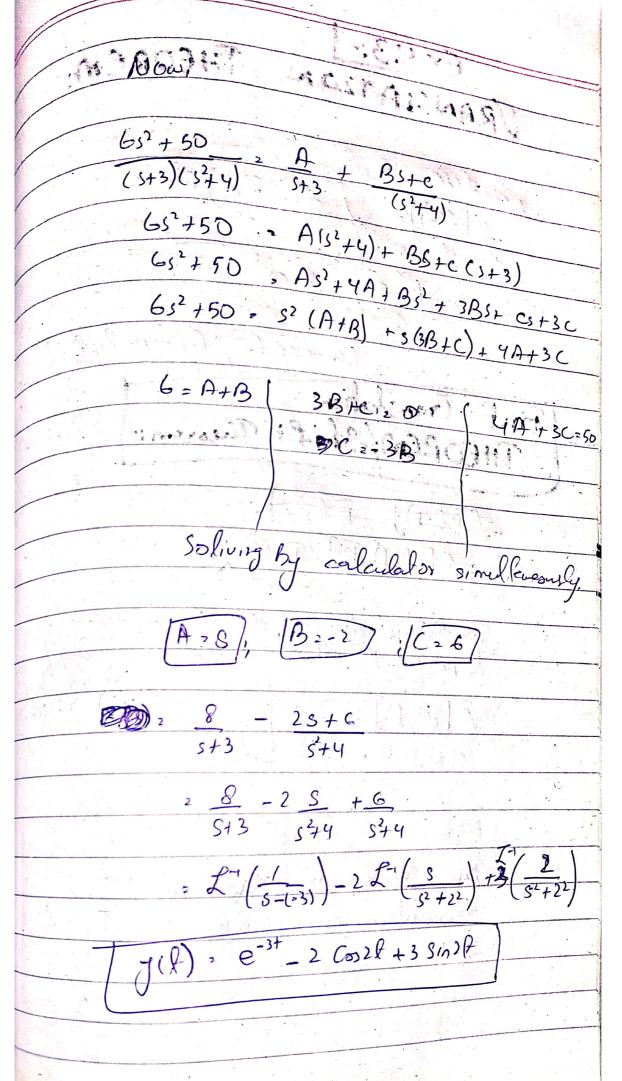
## Ex 4.1 Caplace Transform

L(f(f)). Se-s+f(f) dt



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of C'Hapi Bel Suplifichi-£18) lim e-sifit) 08 Example restron? 13 Sin 2 1 1 10 10) L(g1) 13 L(y) = 13 L (Sinzh) 8F(s) - f(o) +3F(s) 13 (2) sF(s)-6+3F(s)= 26 F(s) (3+3) 2 26 +6 S<sup>2</sup>+4 F(3) 2 26+6(52+4) (S+3)(5244) , 26+652+24 (5+3)(52+4) F(s) = 652+50 (5+3)(5244)



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## Ex 4.3:-JRANSLATZON THEOREM:

f(f) 2 82 f L[fif)]. Se-st (fret)ef

, 1 = - E(s-1) 22 dt

First Translation Ly very long by and by sport THEOREM/Shift Theorem:

L(1-0) L[f(+) [] 2 F (s-g)

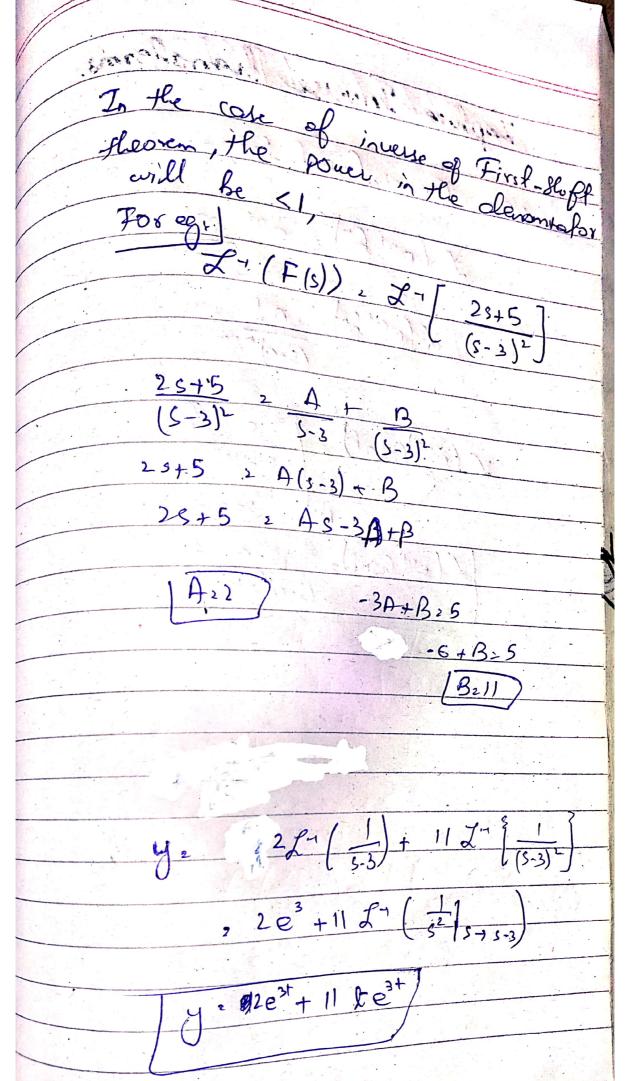
For the application of this theorem exp mut

be present. the offer one can be polynomial/

p [ st 22]

) 1 | (Sin/Ca) (Sink/Cas) Z[est lz] = 21

This theorem is also called fraglation on s-axis.



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