murula (tam 3) mater 225 1. F.ns L Ste 3t sinst3 Str fee) = (-1) + 2K L Ef(+) } (-1) 35 L Esin(54) (SINGE) = 5 = 52+76 $\frac{d}{ds} \left(\frac{5}{5^2 + 25} \right) = \frac{0(5^2 + 25)^2}{(5^2 + 25)^2}$ (-1) (-10s)) (3+25)2 L {t sin5t}= 105 (\$2+25)2 LS+e3+5, ns+3 - 10(5-3) ((5-3)²+25)²

Noor mustures) eixam 3) matrix 225)

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Noor mustara exam 3 mouth 225 (3) 411-49=f(t) 4(0)=1 91(0)=-2 f(t) = Esint Octer penual function MCFESTI period of 275 T=ZT 1-e-2773 Se-st-fct) dt f(t) = Sin(t) ult) + (o -s in ct) ((t-IT) f(t) = sin(t)u(t) - sin(t) u (t-Tr) e-05/ Esin(+)3 = 1 e-175 [E-sin C++11) = - [sinct]+ (os(17)) e TS - Esson TI $\left|\left(f(t)\right)\right| = \frac{1}{1-e^{-2\pi i T s}} \left[\frac{1}{s^2 + i} + \frac{e^{-T s}}{s^2 + i}\right]$ (22+1) (1-e-21/2)

Noor mostaren (exam 3) mont = 55) (3 1 = -443 = -4 K(S) L & 4"3 = 52 V(s) - 5 y(o) - 9 (co) = 52 h(2) - 2 4-5 52 Y(S)-5+2 -4Y(S) = 1+e-ITS (53+1) (1-e-275) Y(s) (52-4) = 1+e-TTS (25+1)(1-e-510) +(2-5) $Y(s) = \frac{1 - e_1 + e^{-i\gamma s}}{(s^2 + 1)(s^2 + 4)(1 - e^{-i\gamma s})} + \frac{(s - 2)}{(s^2 - 4)}$

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$$L^{-1} \left\{ \begin{array}{l} S^{2} + 68 \\ S^{3} - 2S^{2} + 3S - 6 \\ (S^{-2})(S^{2} + 3) \end{array} \right\}$$

$$S^{2} + 65 = A(S^{2} + 3) + (BS + C)(S^{-2})$$

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A=2 B=-1 C=3

(2) (A (S) Mon unspaler) Warts 552 [-1 { sts + - 2+3 } = 7L-18=23-L-18=33+3L-8=36) - 1 2 5 = - cos(vst) 3 L-1(52+3) = 3 sincust) (= 2e2+ - (0)(V3+)+V35,nV3+)

Noor musture exam 3) materizes (5

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NOOR musture) exam ?

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Now multiple [exams] Math 225 (6)

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