| | HOMEWORK #8 SOUTION |
|----|---|
| | SECTION 4.1 |
| | f(t)= \ 1 \ |
| | Sf(t)} = [-estat + [estat = 1 = 5t] - 1 = st 0 |
| | = 1 = 3 = (0 - 1 = 5) = 2 = 5 = 1 |
| 3 | f(t) = St 0 str1 |
| | 2, 1 cd : cd : cd : |
| | 0x+ e ox= (-ste-20-5) |
| | = (-1 = s - 1 = s) - (0 - 1 = (0 - e s) = 1 (1 - e s) = 1 |
| /9 | ((t) = 5 sint 66+6+12 |
| | 3 |
| | |
| | 7 + cos 7/2) + eo |
| | 1+25 |
| | 1-20 tl 1-70 2 |
| | |

0/5 (N) 5-5+1-5 0 10 6-SA 5 8 246-84 2/20 11 acteb octea 17470 04441 センー 426 4 cerst 4+3 1000 11 0 0 9 57=(7) 74+3 J. C. E 100 4 50 30 2

parts aso (n) 1-18 COS (4-1/6) = COST COST + SINTS = 3 COST + \$ SINT Integration by et u=st > du=sdt (350st3+ 2 25mt3 1+28 (A+1) 37416 CAH 1+25 = 5/3 011 2/0 f(4)=1000s(t-11/6) (+) = sin 2 + cosst estalt (1000 (+ 716) J(4)= SIMN FF SINZbcoset Sink 14 == (1 63 40 8 40 9 子

+ 5 SIM 12+ -4t-3t 1+4++2+3 e at 7 8 IN 74 2400 S 3/2 = 10 cos4t 2+5 -100 3 8+8 11 5+5-20 100 SECTION 4.2 5.5-2 3/4/5 245 (2+5) 5-45 501 48 6 9 4 a 8 001 0 7 20

cosh 13t - 13 sinh 13t 2 2 613 Sin13 t = 4 cos 2+ +4 sm2+-4 = 200g t + 51nt 613 SIM 13 t 1) 5-13)(5+13 2-28 h+35# +3 20 8 3 No

(H-S) 2(145) 1 mg 22+2(1+5) N 26 cosst 5+3 (8-8) 15 S 1] 11 85+89+34 91+59-28+5 6-627 SECTION 4.3 0 立