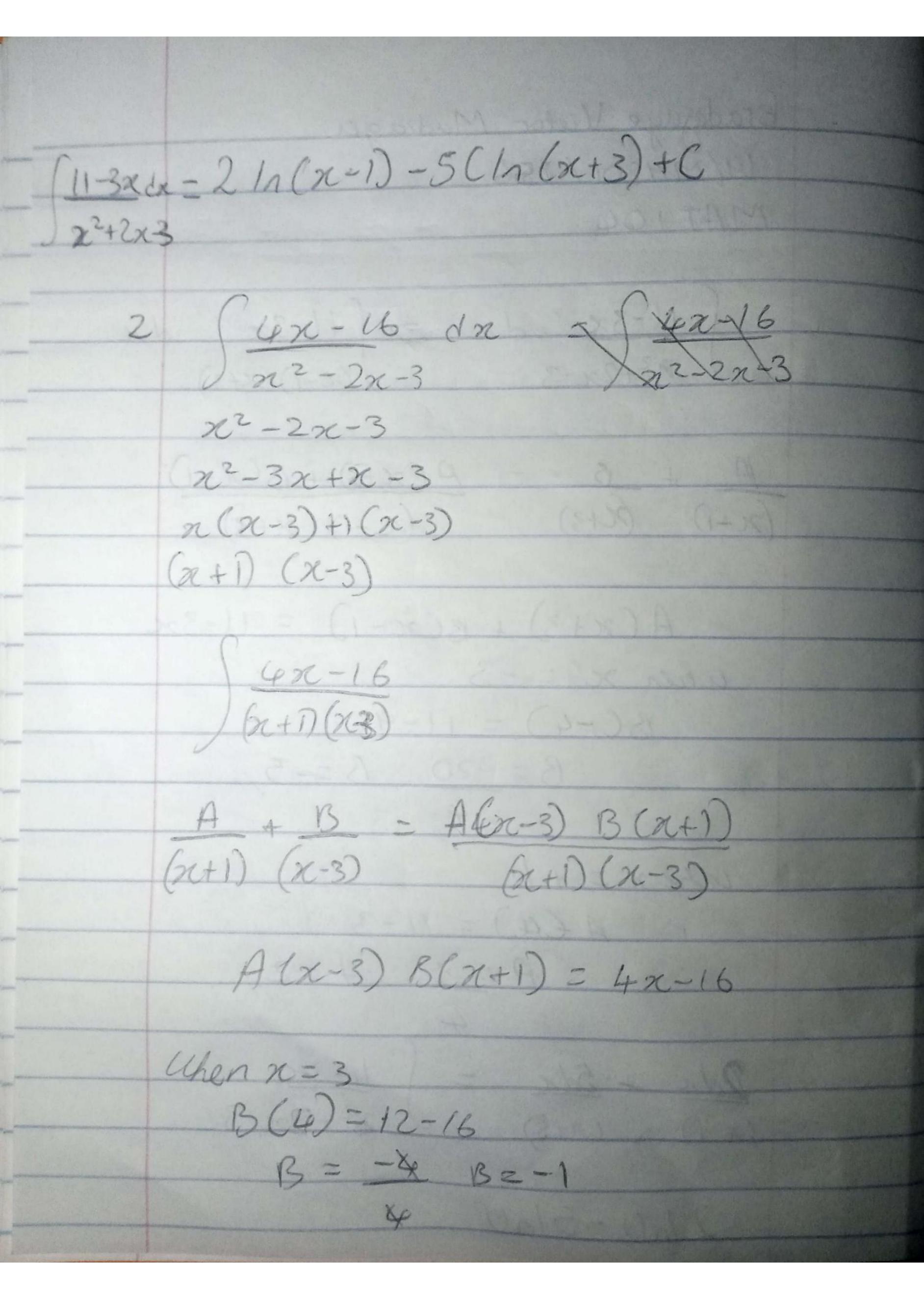
Eradquaya Vietor Mudiager 19/MHSOL/156 MAT 104 $\int \frac{11-3x}{2^{2}+2x-3} dx = \int \frac{11-3x}{(x-1)(x+3)} dx$ (24-1) (21-1) (21-1) (21-1) (21-1) (21-1) (21-1) (21-1) (21-1) (21-1) (21-1) (21-1)A(x+3) + B(x-1) = 11-3x aher > = -3 B(-4) = 11-9 B=-20 B=-5, When = +1 A 60) = 11-3 A=B H=2 21/2 2-5/2 = 14:325 (x-1) (x+3) 22+3x-3



When x = -1 A (+4) = -20 - CHEA - SE N-5 A = 5) 6x-16 dn= 5dn + −1dn 22-222-3 (27) (22+8) (42-16 = 5/n(x+1)-1/n(x+3)+C V22-2x-3 3 222-9x-35 (n+1) (n-2) (x+3) 3-1-1-= A + B + C = 8 = 8 E (2+0) n-2 213 [2x2-9x35] = A (QC-2)(X+3)] + B((X+1)(X+3)] + C((CX+1)(X-2)) 6(+1) (x-2)(x+3) 1(x+1)(x-2)(x+3)

2x2-9x-35=A(x2+5x+6)+B(x2+2x+3)+C(x2-x-2) 222-9x-35=An2+Ax+6A+Bx2+4xB+3b+x26-(-1x-20 = Ax2+Bx2+Cx2+Ax+4Bx-Cx+6A+3D-2C = 22 (A+B+C)+2(A+4B-C)+(-6A+3b-2C) A+B+C=2 A+4B&-C=-9 -6A+3b-2c=-35 -3 A=2-B-6 - 9 -12+6B+6C+BB-2C=-35 9B+4C=-23 12B+2C = 34 3B-2C=-11 ×4 = 12B-86=-44 9B+4C=-23 ×2=18B+8Cz-466 30B =-90 B = 90 30 B=-3/2

