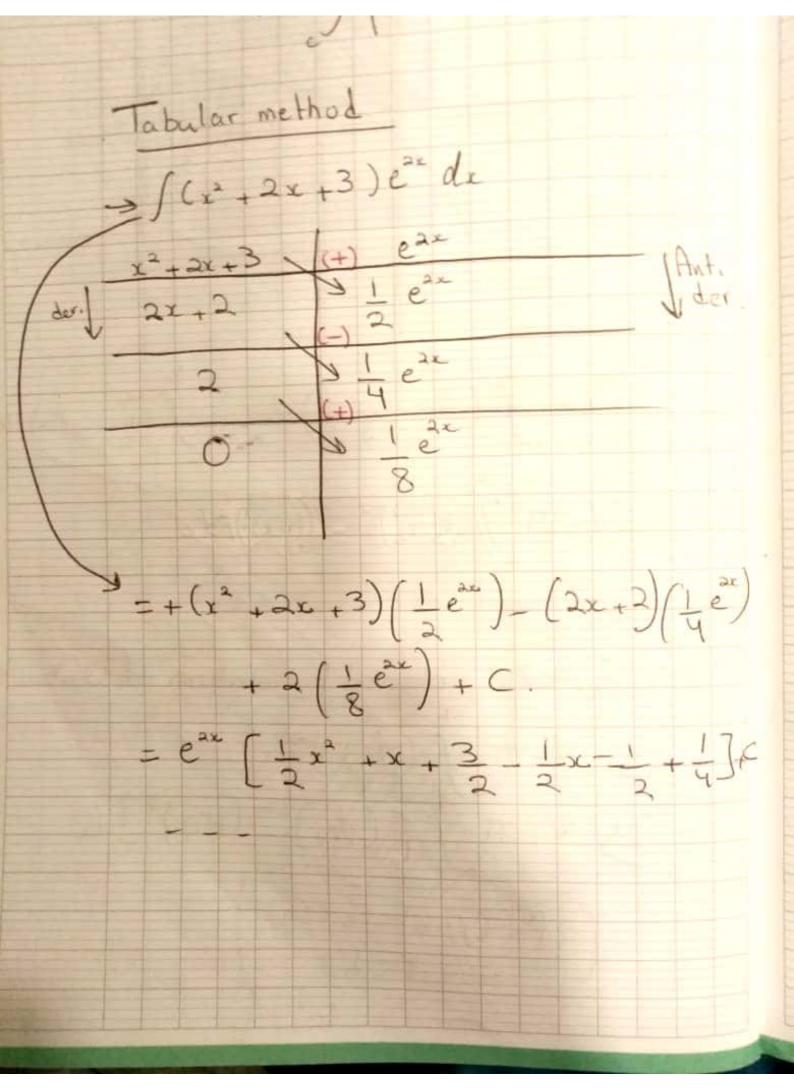
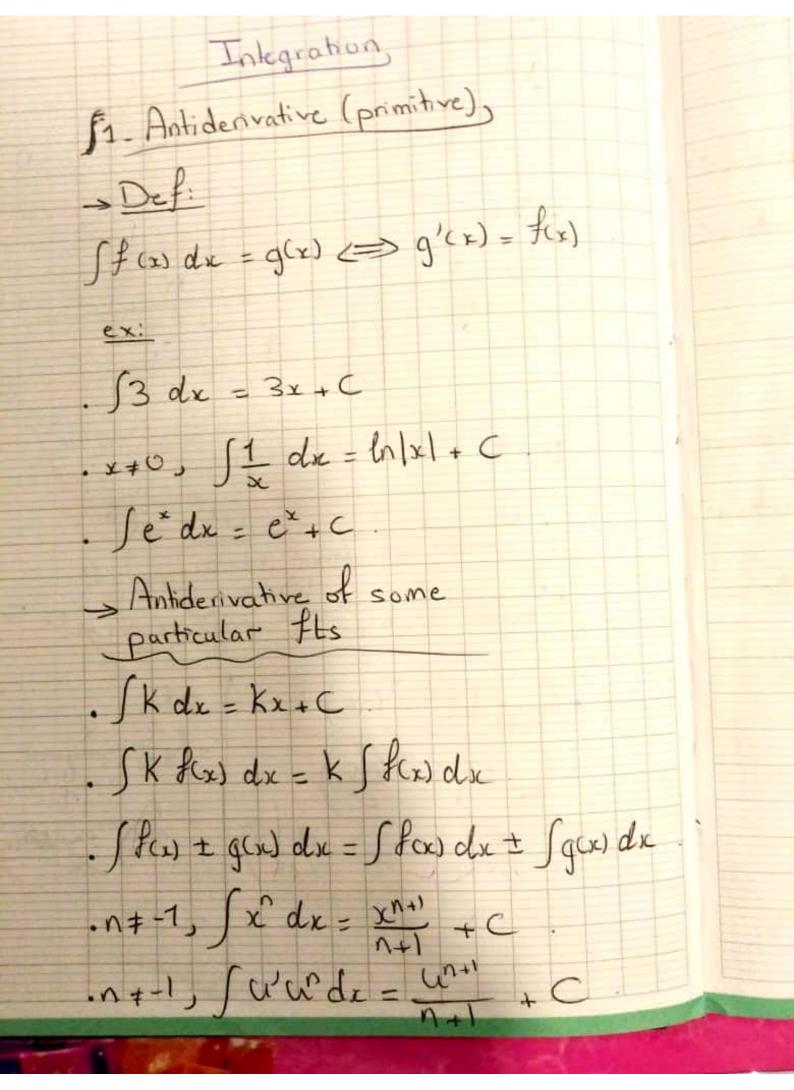
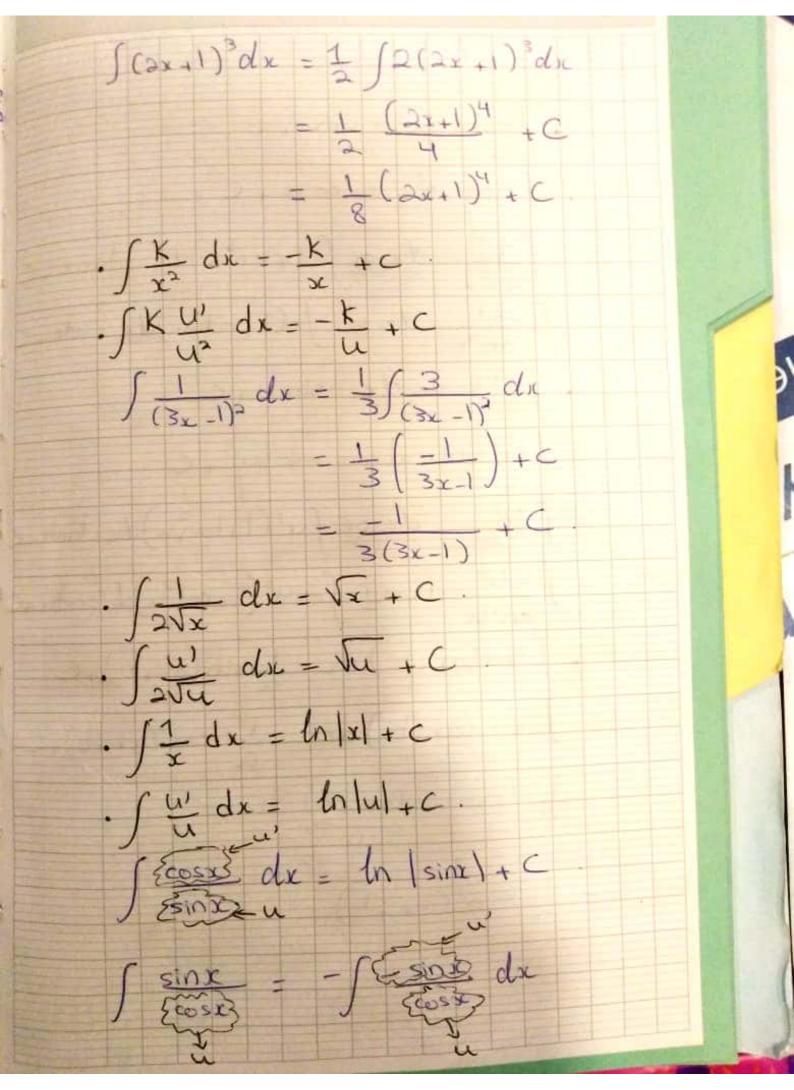
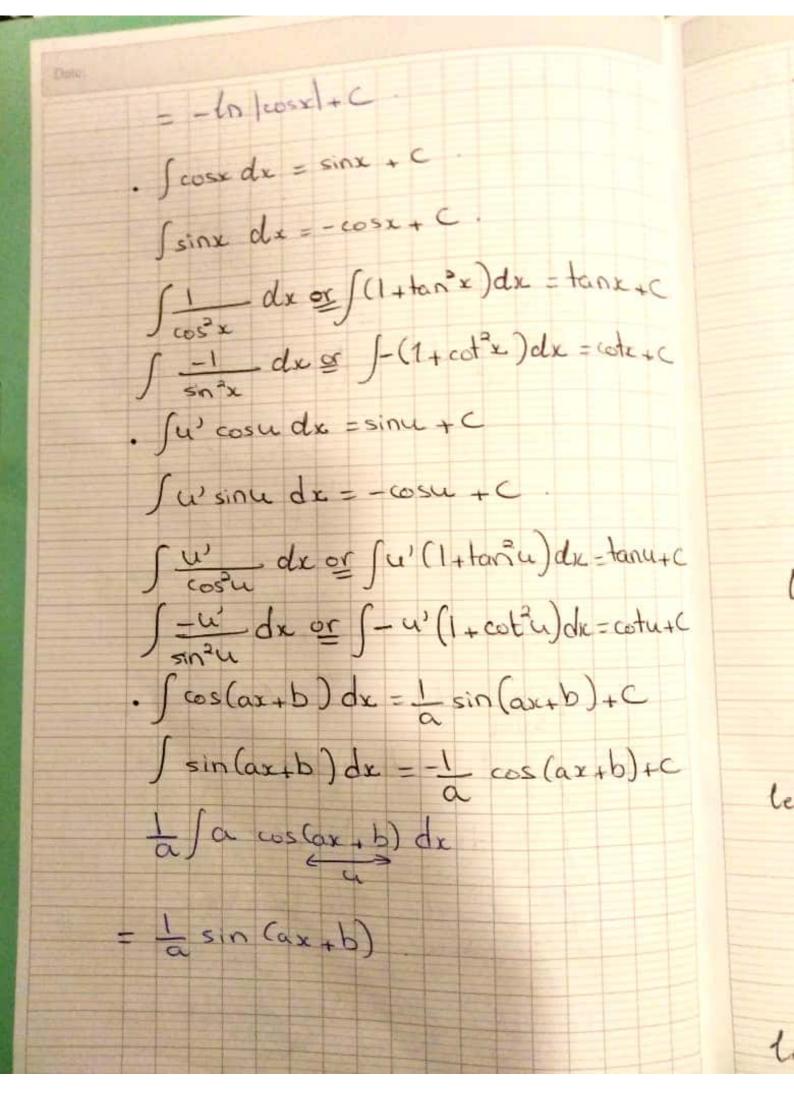


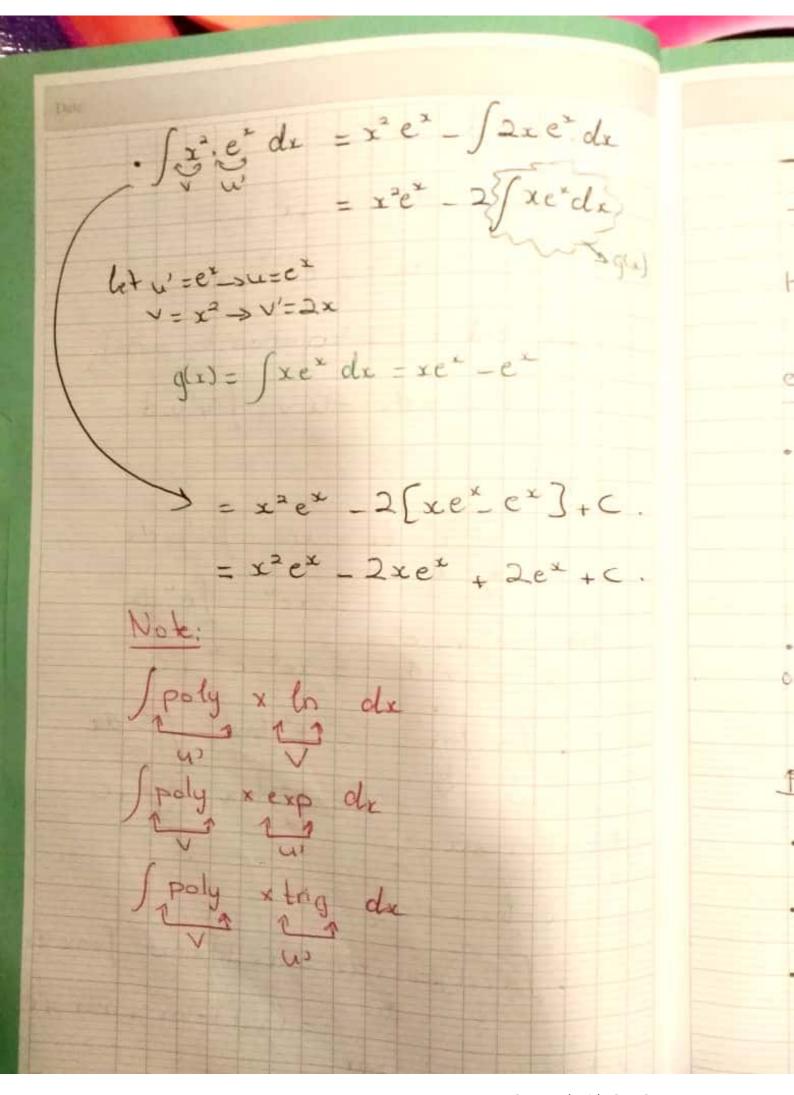
Scanned with CamScanner











. Je dx = e + c Ju'e"dx = e" + c Searth dx = Learth + c > V.I.P (Integration by parts), Ju'vdx = u.v. Jv'udx · State dx = w- Sv'udx = xex - Jexdx let u'= ex = u=ex v = x = v'=1 = xex_ex + C. $-\int_{-\infty}^{\infty} \frac{1}{2} \ln x - \int_{-\infty}^{\infty} \frac{1}{2} dx$ = = = lnx - x2 +C v=bx = ==== $\int (x+1) \cos x dx = (x+1) \sin x - \int \sin x dx$ $=(x+1)\sin x + \cos x + C$ Let u'= cosse > u = sinx V=x+1 > V'= 1