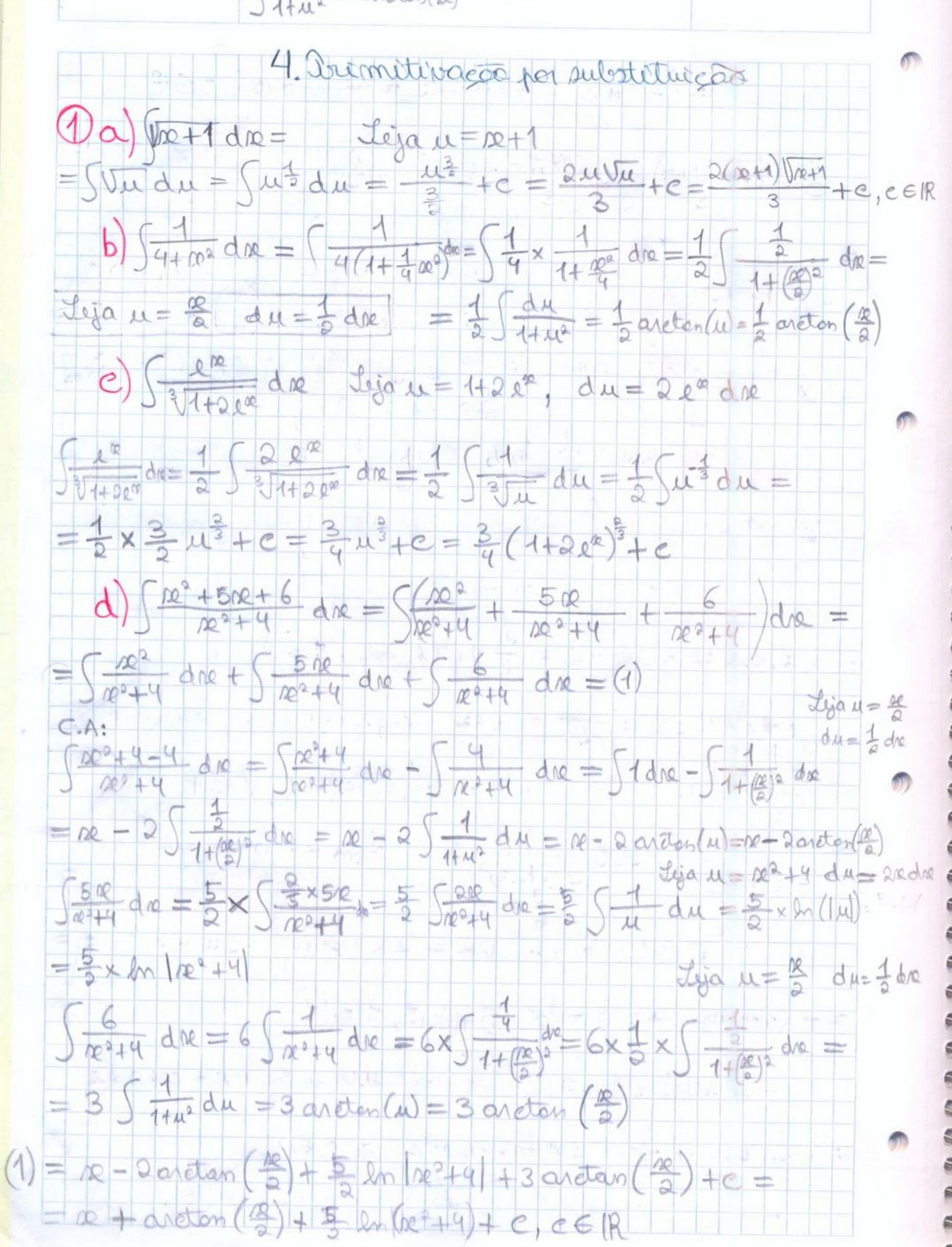
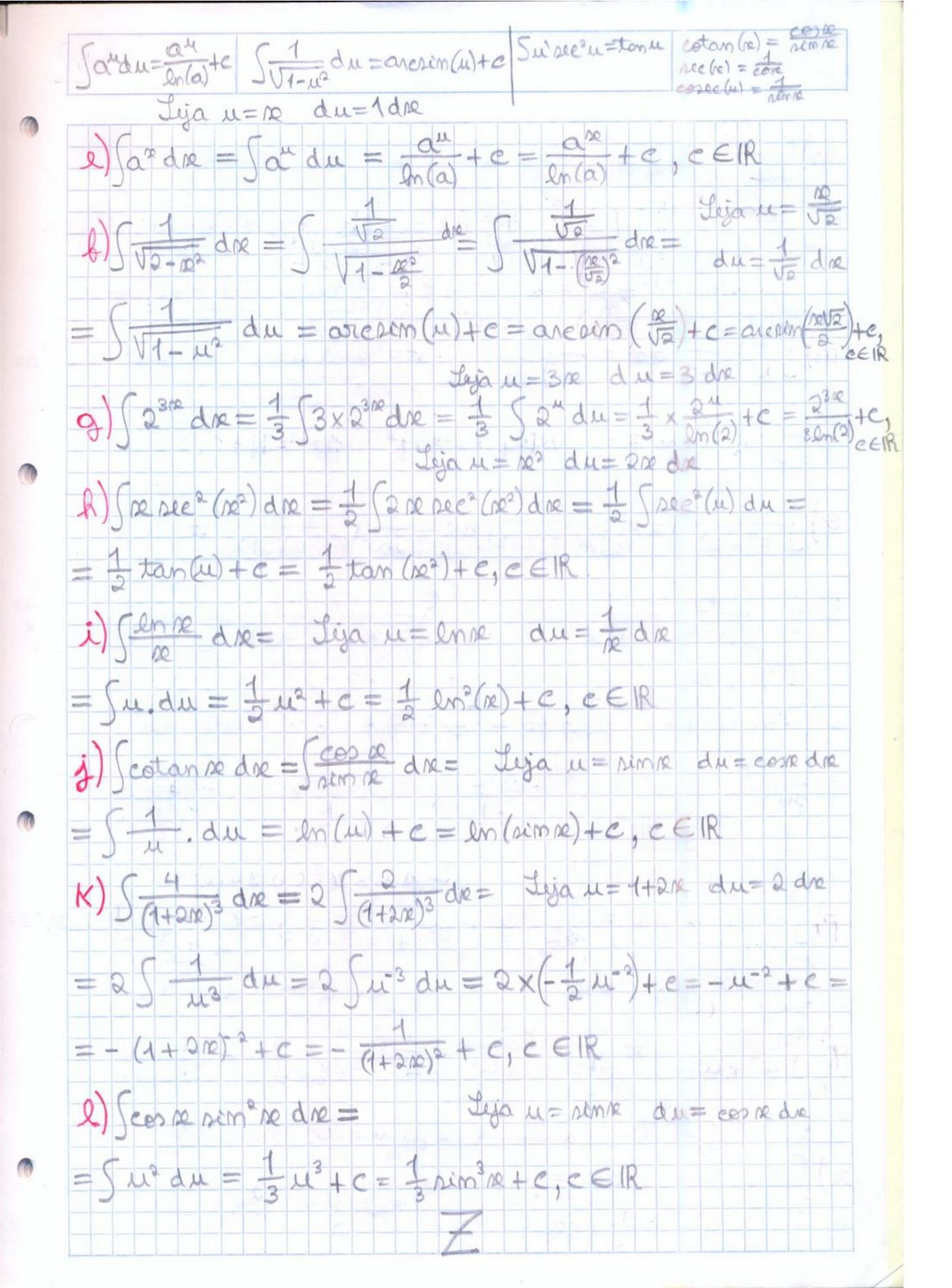
$\int \frac{u'}{1+u^2} = \operatorname{anoton}(u)$ 





m) \ \( \langle \alpha \rangle \alpha \alpha = \frac{1}{2} \alpha \rangle = \frac{1}{2} \alpha \rangle = -1 \alpha \rangle \langle \alpha \rangle \langle \alpha \rangle = -1 \alpha \rangle \langle \alpha \rangle \alpha = 5 = x (-1) dt = 5 - 20 dt = -20 (1 dt = -20 Sur dt = = - 2ax(-u-1) + e = 2au-1+e = 2a+c = 2a +c,e EIR m)  $\int \frac{n^2 e^{n^2-1}}{e^{n^2-1}-1} dne = \frac{1}{2} \int \frac{2n^2 e^{n^2-1}}{2n^2 e^{n^2-1}-1} dne = \frac{2n^2 e^{n^2-1}}{2n^2 e^{n^2-1}-$ 3 a-10 + a+10 = 2a e) \ \frac{1}{a^2 - ne^2} \, \text{die} = \frac{1}{(\alpha - ne)(\alpha + ne)} \, \text{die} = \frac{7}{2a} \left( \frac{2a}{(\alpha - ne)(\alpha + ne)} = \frac{1}{(\alpha - ne)(\alpha + ne)} = \frac{1}{(\alpha - ne)(\alpha + ne)} \, \text{die} = \frac{1}{2a} \left( \frac{2a}{(\alpha - ne)(\alpha + ne)} = \frac{1}{(\alpha - ne)(\alpha + ne)} \, \text{die} \) -du + (-+ dx = f-ln(u)+ln(t))+e= = = = (- en (a-0e) + en (a+ne) + = = (en (a-ne) + en (a+ne) + e = = 1 an and +c, e EIR Leja u = 103 du = 3102 P) (no2 cos no3 dre = = = 1 (3 no2 cos (no3) dre = = = 5 cos (n) dn = = 3 sima)+c= = = = sim (se3) + e, e EIR. Jeja u= 124 a4 du= 423 9) ( 103 da = 4 5 402 = 4 5 du = 4 lon lul + e = = fen 1004+a41+e, CEIR Leja u= 2re du= 2 dre T) (see 2 re tan 2 re dre = = = (2 ree 2 re tan 2 re dre = = = = ( ree a) tour (u) dre= = 1 x sec (w) = 1 x sec (DR) + c, CER

5) ( 12 dre = Lija u = a + 6 re = 12 du = 6 dre or  $= \int \frac{1}{b} \frac{1}{u} + du = \int \frac{u-a}{b^2u} du = \int \frac{u-a}{b} \int \frac{u-a}{u} du = \int \frac{1}{b} \left(1 - \frac{a}{u}\right) du =$ = 1 51du - 52 du] = 1 [u - aln lu] = at love - almatore] recen t) (eash re dre =  $\{cosh(u)du = simh(u)+e = simh(xe)+e, e \in IR$ u)  $\int \frac{n^2+1}{n^2+1} dn = \int \frac{n^2+1}{n^2+1}$ Jase u = 10-1 = 10+1 du= 1 dre Faser t = 10-1 dt = 1 dre = 5(u+1)2 du + 5+1 dt = 54°+20+1d4 lm/t+e= = (u+2+ tu)du+ en/t/+e= Sudu+ Sadu+ Stadu+ en/t/+e= = 1 u2 + 2 u + ln | u| + en | t| + e = (00-1)2 + 20-2+ln | 10-1 + 2n | ne-1 + c= = 100-210+1 + 210-0+2 lm/10-11+e= 200+210-3+2 lm/10-11+e,e EIR V) Sees se sim se ecos se de = Leja u = corse du = - sim se =- [ u e"du = - ] [ 2 u e"du = - ] [ e\*dt = - ] e\* + e = = - 1 en + e = - 1 e en n + e, e EIR = S = 1 du = (1 - 1) du = 5 t du - 5 2 du = = len | m + e - (- m1) + e = len | m + + e = len | m + 1 + t + e, e elle