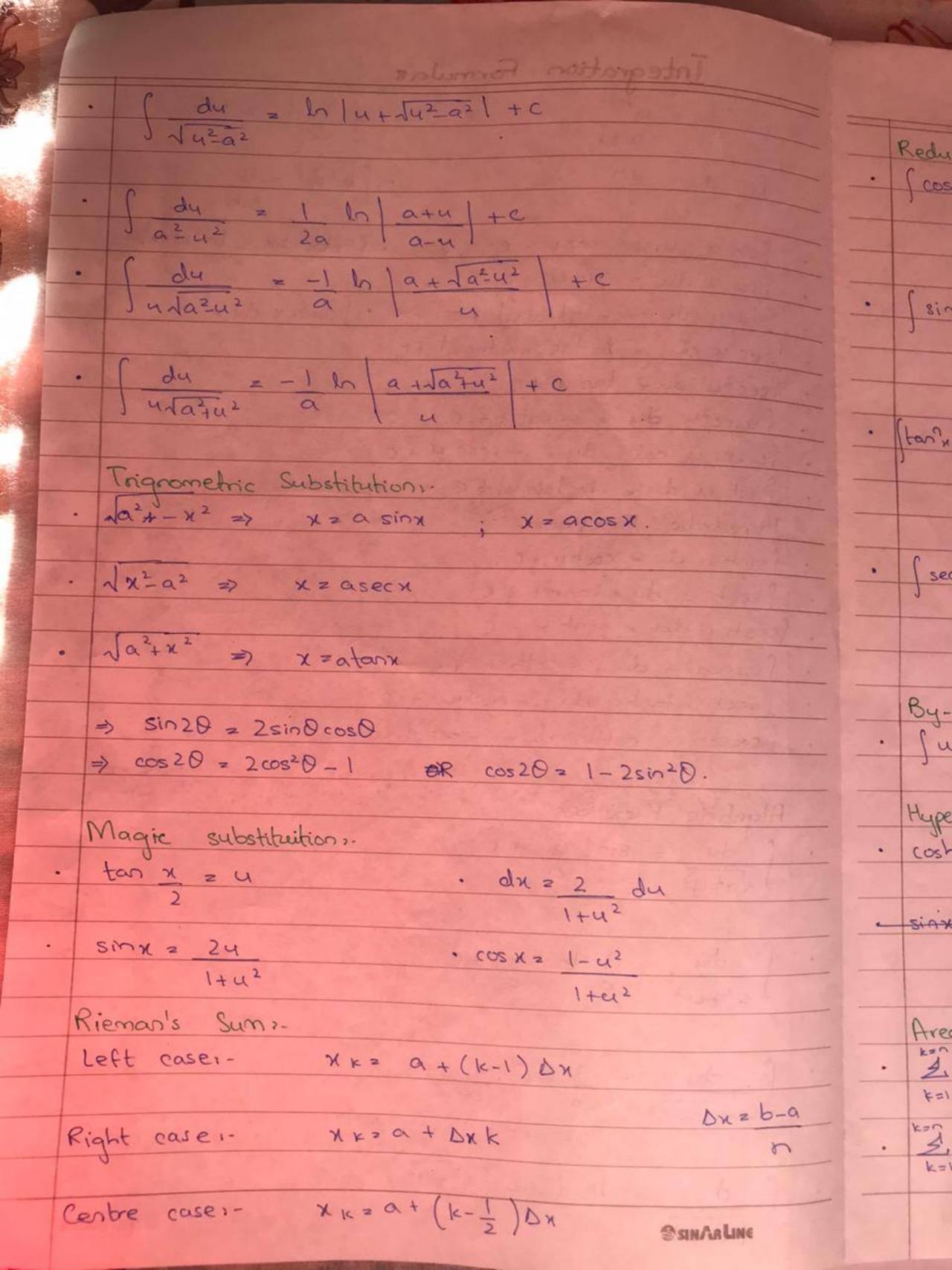
Integration Formulas · fundu = un+1 · f I du = botal · f b du = b d · Se4 du = e4 I sin u du = -cosu + c . Cobr dx = Inlsinx + C Scos u du = sinu + c · Stanu du = -Introsul +c · cosecx dx = · Secudu = la secx+tonx1+c · Sec2 u du = tan u +c 1 + oht o / of · I cosec²u du = - cotu + c · Scosecu cota du= - coscu+c · I cot a du = la Isinul+ c modulità du Hyperbalic Functions: Mis De x · Ssinh u du = coshu +c · Sech u du = tanh u+c · (cosh udu = sinh u + c · Scosech 2u du = - cothu + c moss x · Sechutanhudu= - sechut c · | sesech u cothu du= -cosechu+c Algebric Functions $\int \frac{du}{\sqrt{a^2-u^2}} = 8in^2 \frac{u}{a} + c$ $\frac{dy}{a^2+u^2} = \frac{1}{a} \frac{\tan^2 u}{a} + c$ Junu2-a2 a a J du = la (u+ Na2+u2) + C SIN/AR LINE



Reduction Formulasi-· (cos x dx = f cos ndx 17 = sinx cos x + (n-1) (cos n-2 x dx $\int \frac{\sin^2 x}{\sin^2 x} dx = \int \frac{\sin^2 x}{\sin^2 x} dx$ $\int \frac{\sin^2 x}{\sin^2 x} dx + (n-1) \int \frac{\sin^2 x}{\sin^2 x} dx$ · Itany du =) tang dx tang qu (n-1) = tan 2 - [tan 2 dis By-Poutsi- LIATE OR ILPET · Ju. vdn z u Jvdx - J [du Jvdx] dn Hyperbolic Function,-· coshx = ex+e-x . sinhx = ex-ex · $\cos^2 h^2 \theta - \sinh^2 \theta = 1$ sinx tanh x = ex ex exe-x Area Under the Curve Exx: 1 kz n(n+1) · 1/2 | (0+1) · K=1 (n+1/2n+1)

WILS AND