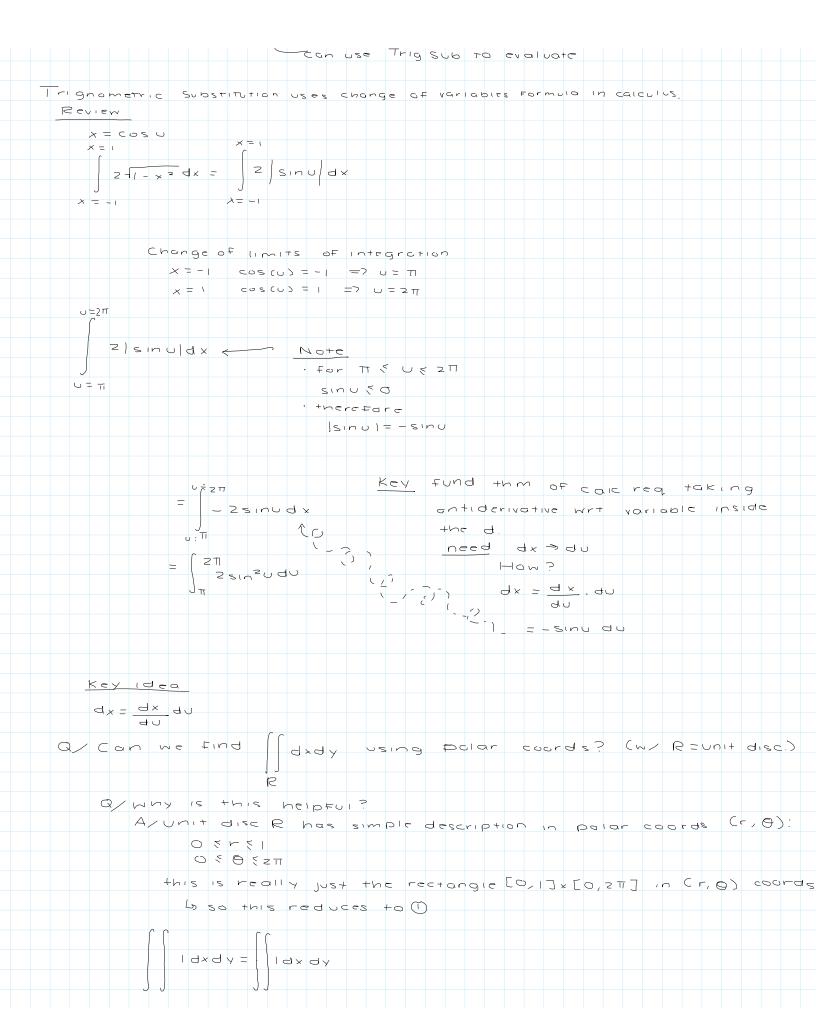
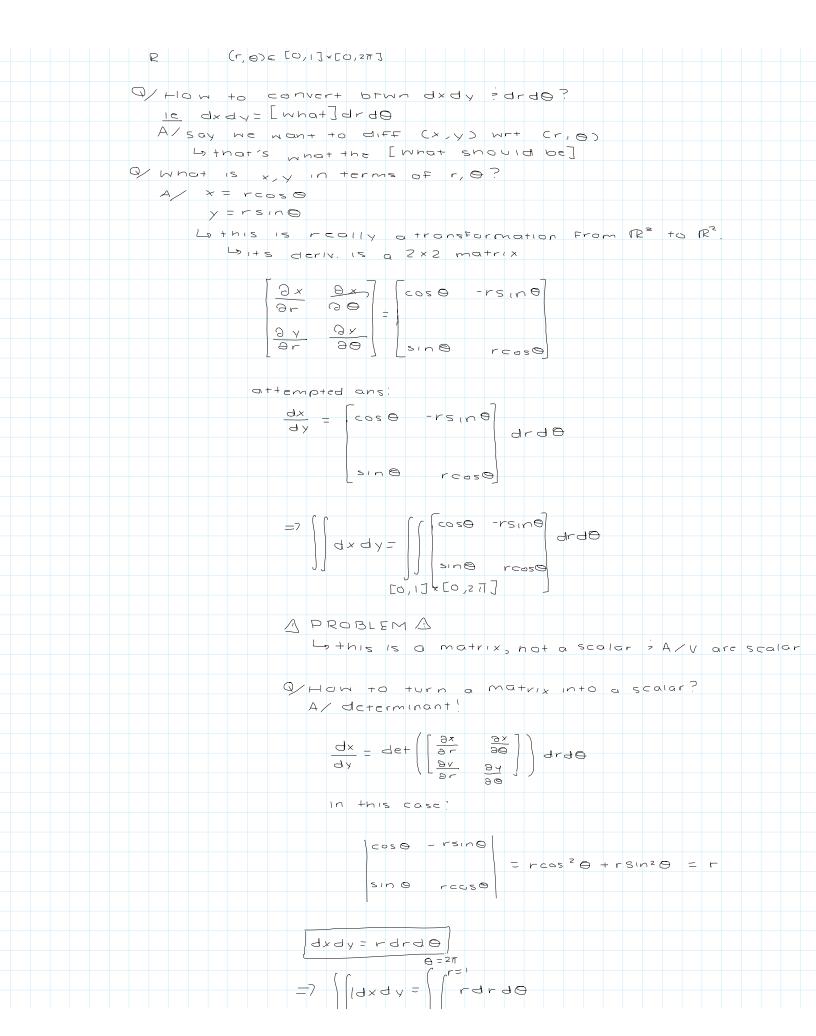


horizontal sides top horizontal side: Y=1 ba++am: 1=-1 F1x y, say y= - = = $\frac{1}{3} = \sqrt{1 - \left(-\frac{1}{2}\right)^2}$ For each y btwn -1 >1 x goes From - VI-y2 to VI-y2 50 $\int \int f(x,y) dxdy = \int \int \int x = \sqrt{1-y^2}$ $\int \int \int x = \sqrt{1-y^2}$ La This USED 2 Lo can also use 3. Then your vertical lines are x=-1 and x=1 then you ger: eg. f(x,y) =1 (const fcn) Try this for R = unit disc. $\left(\sqrt{1-x_{2}}\right)-\left(-\sqrt{1-x_{2}}\right)qx$ This is the integral we know From single-var cale For the orea of a circle Can use Trig Sub TO evaluate Trianametric Substitution live a change of variables formula in calculus





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