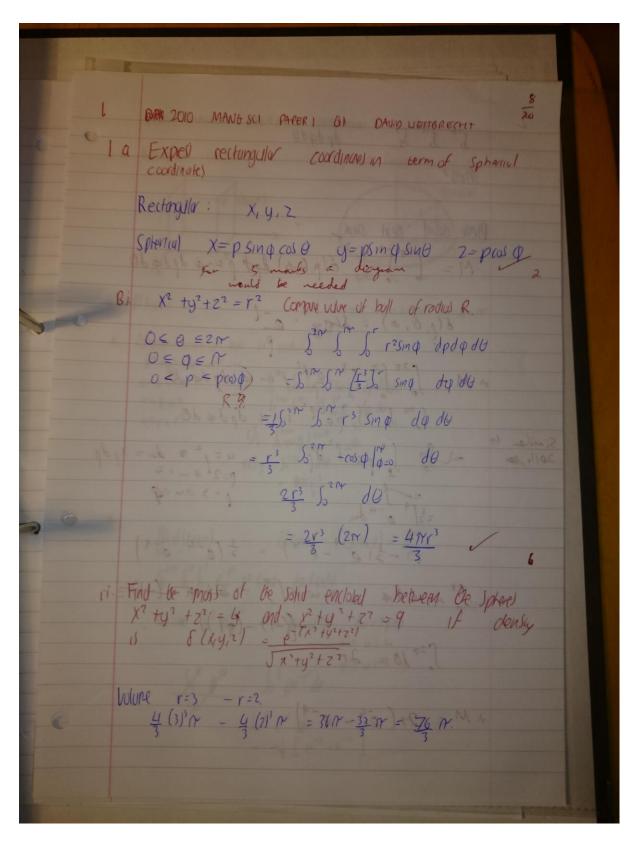
(Use Fundamental Great of the integral to find value of integral when F(xy) = Vo(xy) Sc Flag) dr = & VO(dr) = \$(xy1) - \$(xxx) (-17,0) (M, 17) 412-[-7,17] POSON $-(\frac{\pi}{2})^{3} + n^{3} \sin(\frac{\pi}{2}) + 2(n^{2})(\frac{\pi}{2}) + 3n^{3} \cos(n)$ $-(\frac{\pi}{2})^{3} + n^{3} \sin(\frac{\pi}{2}) + 2(n^{2})(\frac{\pi}{2}) + 3n^{3} \cos(n)$ $-\frac{9}{8}m^3$ $-4m^3 = -\frac{41m^3}{8}$ P 16 b 10 = (1-t) 10 +t(r)
(1 (-17,0) -7 (172,0) = (+t) (-17,0) +t (17,0) - (-17+17+t) 10) (2=("4,0)=)("41") = (1-t)("410) +t ("2111) = (T/2, tr) Light = 17+14 = 17 dy = 0 no need by second por [-17+17+ +ET +0] [-3(-1+341)2+1360(-1+341)+2692]322 [-3(12 + 46, 45 - 35 42) + 41, (0) (-4, 15 7)] 35 [-3(12 + 46, 45 + 46, 42) + 41, (0) (-4, 15 7)] 35



5° 5" 53 dpdq00 Please detail next steps $M = \int_0^{2\pi} \int_0^{\pi} \int_0^3 \delta(p,0,\phi) dp dp \int_0^2 \sin\phi dp d\phi d0$ 8(1,0,0) = Stagy e-12 = 52 5 1 Spe-l' sin & dpd & do Similar to

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-1 $\int_{2}^{3} \rho e^{-\int_{2}^{2} d\rho} = u = \int_{2}^{2} \frac{1}{2} du = 2\rho d\rho$ $\int_{2}^{2} \int_{2}^{4} e^{-u} du$ $\int_{2}^{2} \int_{2}^{4} e^{-u} du$ = -= (e-9-e-4) = = = (e-4-e-4) Sin & d & = - ws & / " = et + - (+)= $\int_{0}^{2\pi} 10 = 2\pi$ +M= 27(e4-e-9)

