Ex: 7.6 65-20 Quake a o-substitution to convert the integrand to a rational faction of u and then evaluate the integral. it you have a CAS, use it to evaluate the integral (no substitution) and then corbiron that the result is equivalent to that in portal M=for ( ) ton' U = 1 2 du: 2(1+02)+31 dn= 2 du J (0+1/2)2+3/4 put all volves in question 1+ (30) + (1-02) browed 0,41+30 +1-0,5 8 90

8. J: x3 Sim + tonn  $\frac{\sin \left(\cos x + 1\right)}{\left(\frac{2}{1+0^2}\right)\left(\frac{1}{1+0^2}\right)\left(\frac{1}{1+0^2}\right)} du$ 1-02 90 1-03 90 1 ( 1do Ju du 120101-103+C + C JUZ+TIdot 2 1 do = In tan ( 1 ) - 1 tan2 ( 1 ) + C - U + 2tan (1)+C 2 ton (ton (2) - ton (3) -2 - ton ( 2)+ (