Cross sechan V=A.h nr h A-7U SA - 7752 + 275. H Any Cylindrical (Constant cross section object): Volume is Goss section area times height Surfice are is closs section permeter times height Min. SA hir hixed volume (=> Max volume for hixed surface area

 $SK = \pi r^{2} + 2\pi r h$ $V = 1 = \pi r^{2} h$ $V = \frac{1}{\pi r^{2}}$ $V = \frac{1}{\pi r^{2}}$ $V = \frac{1}{\pi r^{2}}$

SA(r) = Tr2+271 r = 702+271

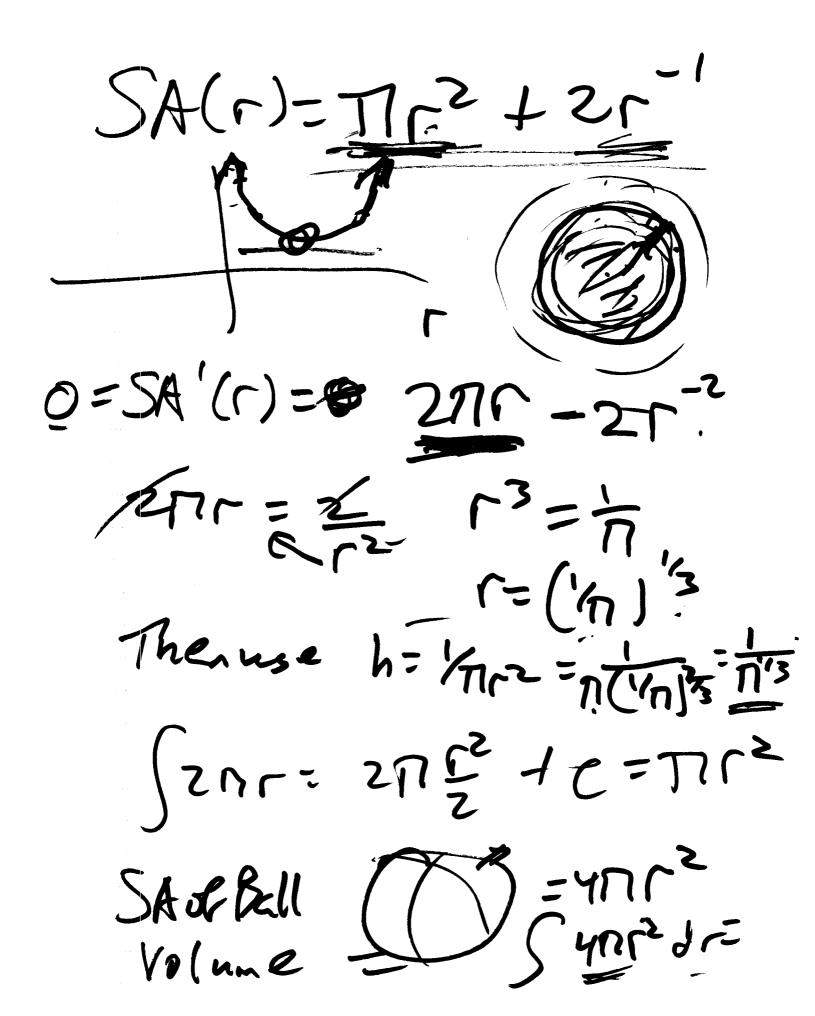
SA(h)= Tr-2+271

SA(h)= Tr-2+271

= 1 + 21774

= 1 + 21774

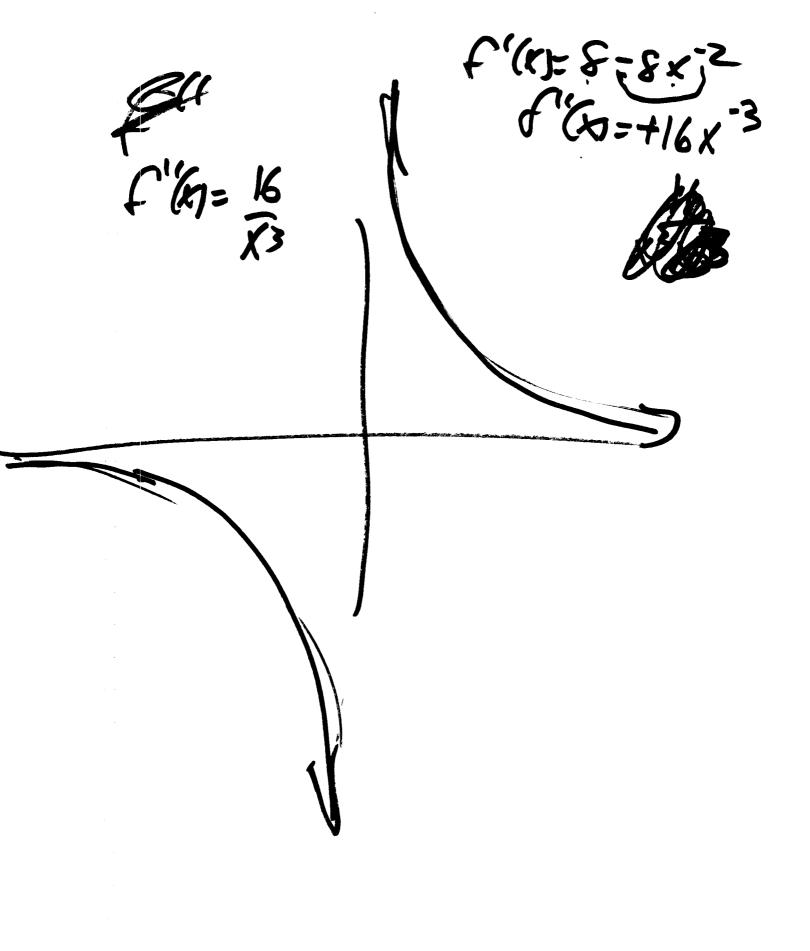
= 1 + 21774



4MXZdx

8x + 8 = 8x + 8x f(x)=X (1000) fat-8=8x

F(x)=8(x--1)(x-1)=8-8



12, (C) = -2x3 +45x2-300 x +10 fix) = -6x2+90x-300 =-6 (K3#15X+50) -6 (x-10) (x-5) P'(x)=-12X+90