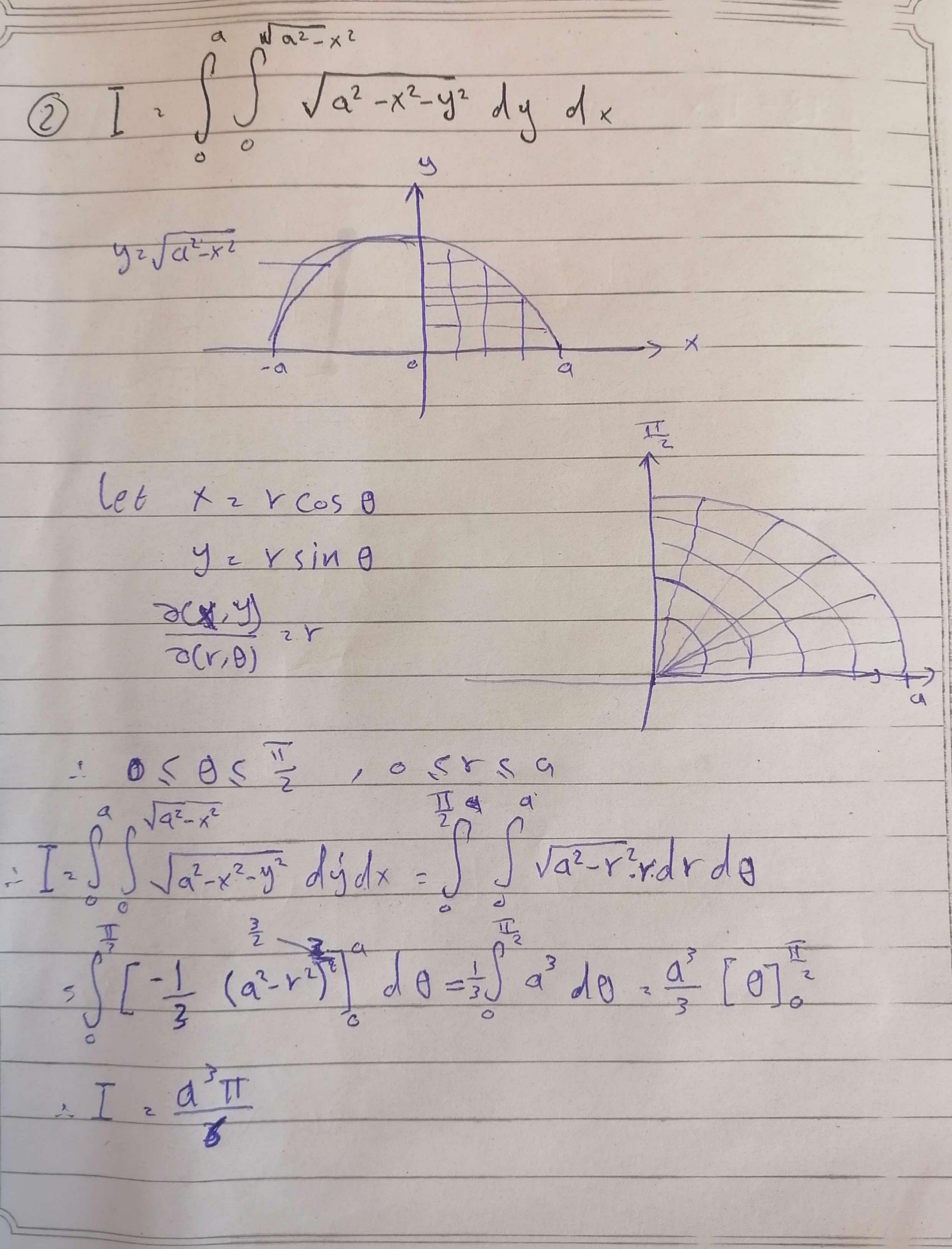
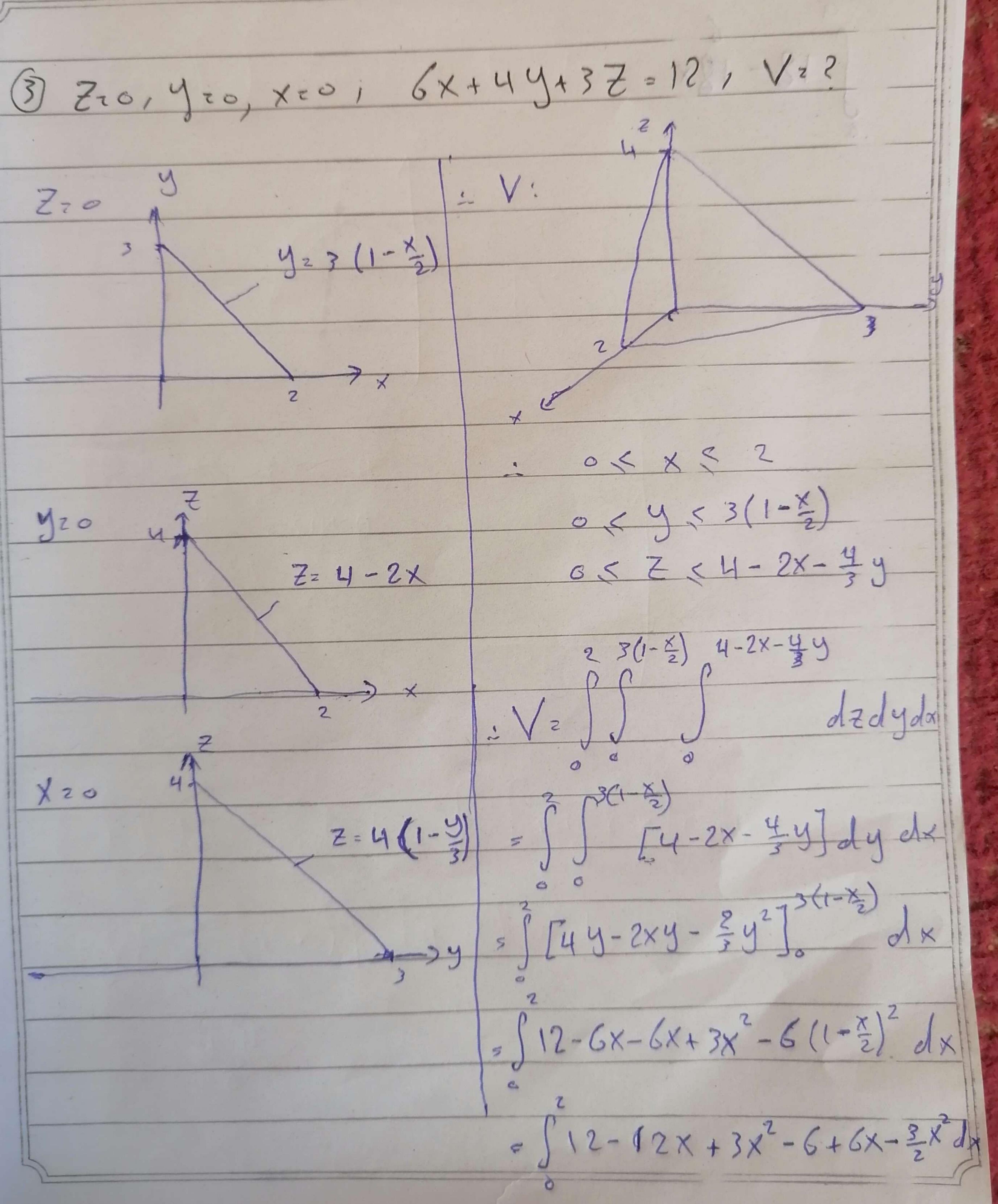
سواق الكيرس ---21-304 ra Acos(wt)+Bsin(wt); AB, ware const. (i) & Show de 2 2 - WY dk 2 A. (-wsin (wt)) + B (wcos (wt)) 12x 2 - A w2 cos (wt) + (-B w2 sin(wt)) 5-w2 (A (os(wt) + B sin(wt)) ii) Show YXX = WAXB - Wgin(ut) #Wcos(wt) =(AXB) (wcos(wt)+wsin2(wt))= =(AXB) w(1) = WAXB \* AXB IL A AXB IL B





$$= \int_{0}^{2} 6 - 6x + \frac{9}{2}x^{2} dx$$

$$= \left[ 6 \times -3 \times^{2} + \frac{3}{2} \times^{3} \right]^{2} = 6(2) - 3(4) + \frac{3}{2}(8)$$

$$= \left[ 2 + 12 + 12 \right]$$

- V = 12