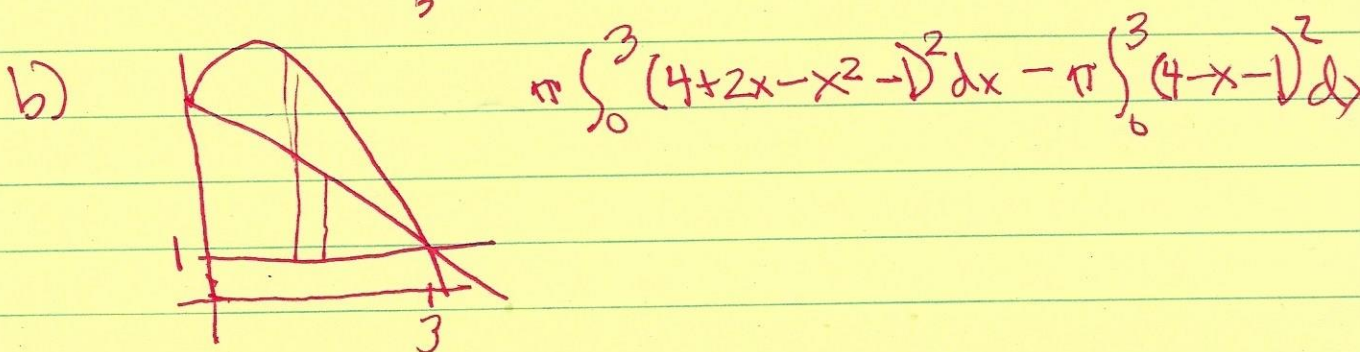
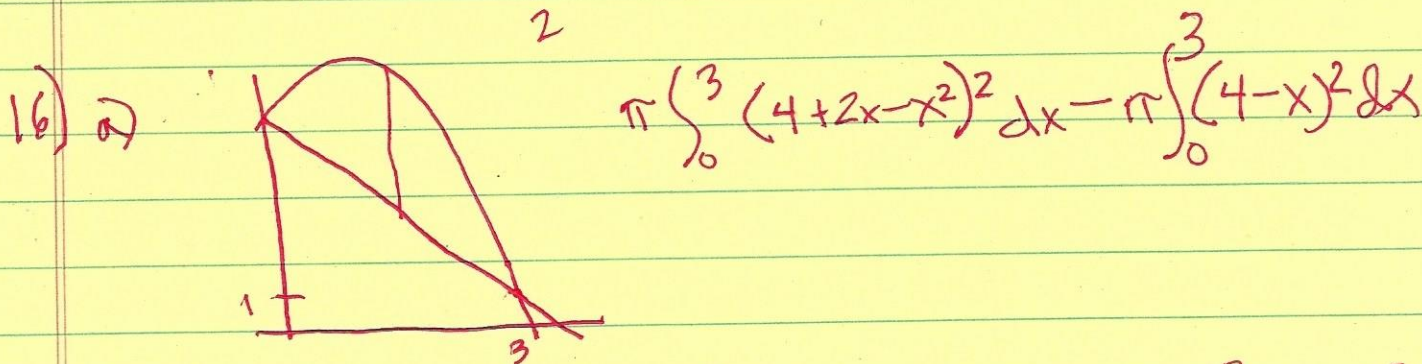
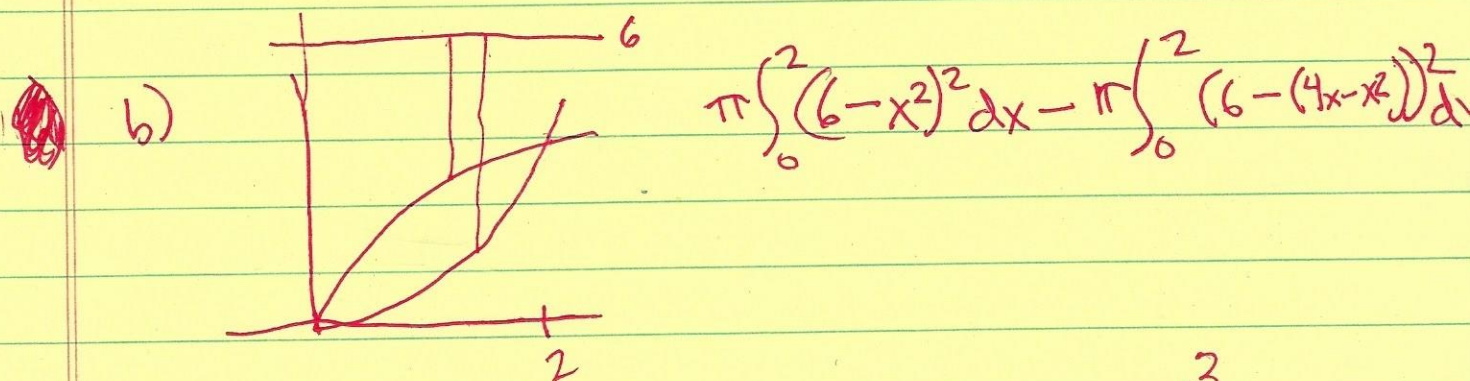
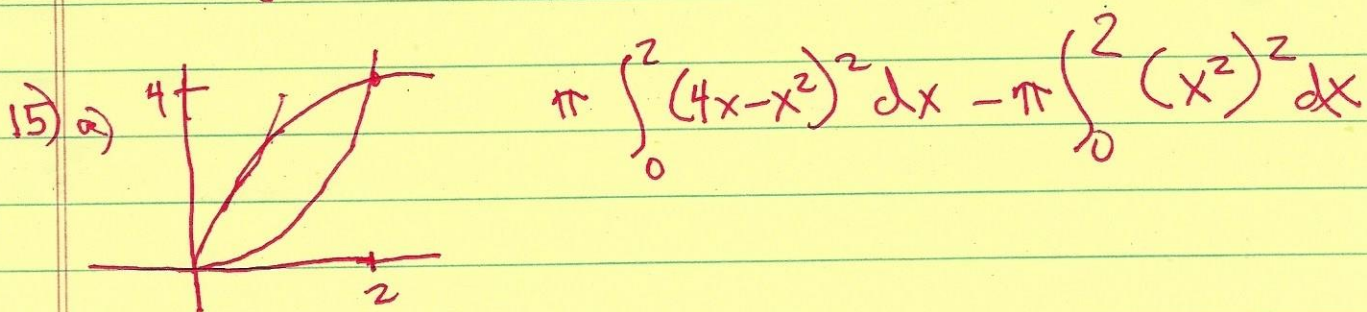


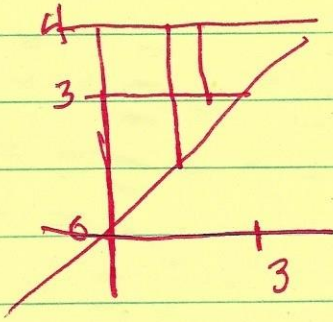
425 # 5, 6, 15-20

5) $\pi \int_0^1 (x^2)^2 dx - \pi \int_0^1 (x^5)^2 dx$

6) $\pi \int_{-3}^3 \left(4 - \frac{x^2}{4}\right)^2 dx - \pi \int_{-3}^3 (2)^2 dx$

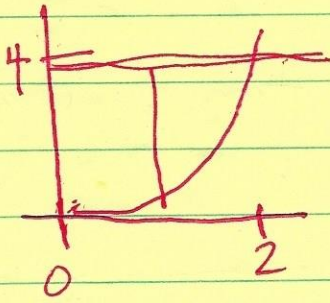


17)



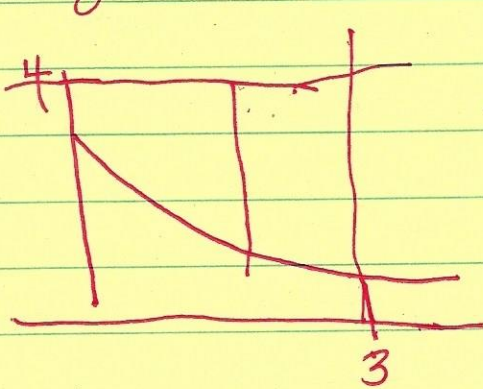
$$\pi \int_0^3 (4-x)^2 dx - \pi \int_0^3 (4-3)^2 dx$$

18)



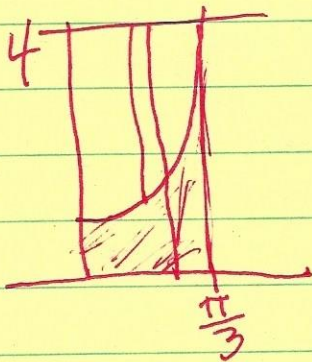
$$\pi \int_0^2 \left(4 - \left(\frac{1}{3}x^3\right)\right)^2 dx$$

19)



$$\pi \int_0^3 \left(4 - \frac{1}{(1+x)}\right)^2 dx$$

20)



$$\pi \int_0^{\pi/3} (4)^2 dx - \pi \int_0^{\pi/3} (4 - \sec x)^2 dx$$