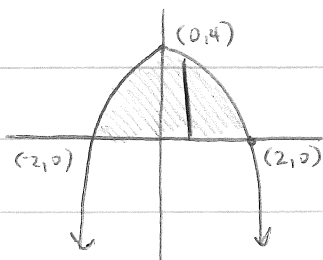


Volume Worksheet

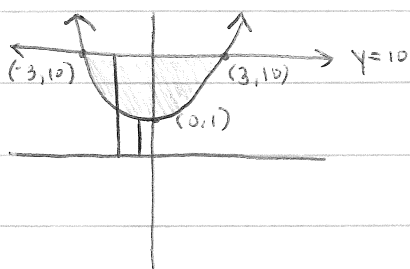
Disk/Washer Method

1.



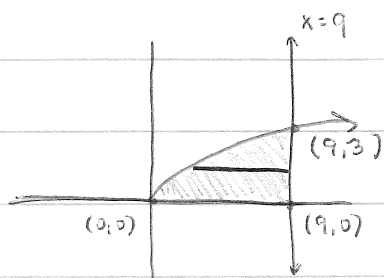
$$\pi \int_{-2}^2 (4 - x^2)^2 dx$$

2.



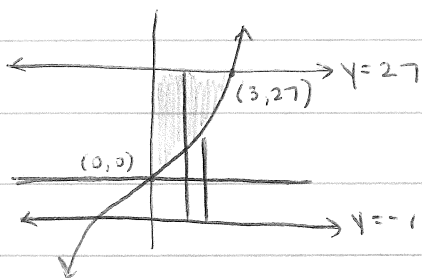
$$\pi \int_{-3}^3 (10)^2 - (x^2 + 1)^2 dx$$

3.



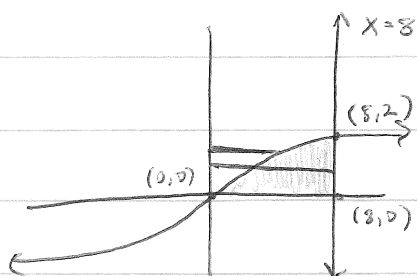
$$\pi \int_0^3 (9 - y^2)^2 dy$$

5.



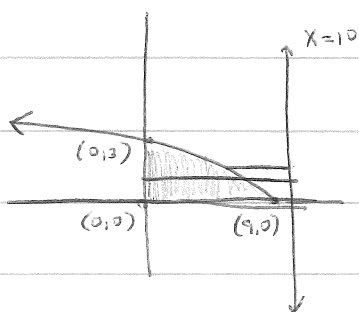
$$\pi \int_0^3 (28)^2 - (x^3 + 1)^2 dx$$

4.



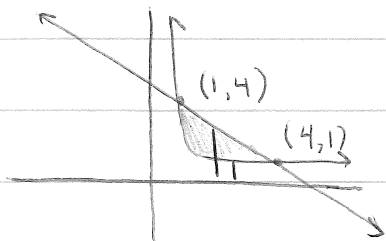
$$\pi \int_0^2 (8)^2 - (y^3)^2 dy$$

6.



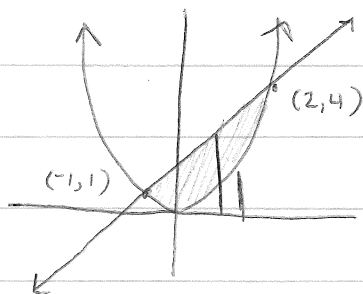
$$\pi \int_0^3 (10)^2 - (10 - (9 - y^2))^2 dy$$

7.



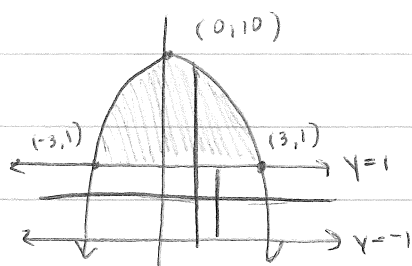
$$\pi \int_1^4 (-x+5)^2 - \left(\frac{4}{x}\right)^2 dx$$

8.



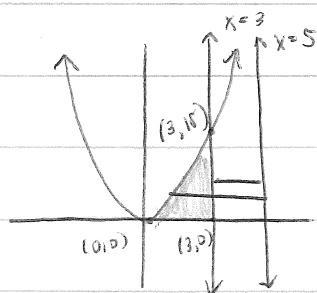
$$\pi \int_{-1}^2 (x+2)^2 - (x^2)^2 dx$$

9.



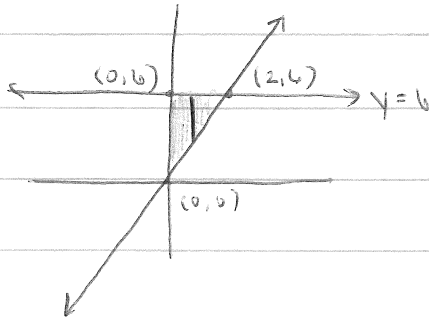
$$\pi \int_{-3}^3 (10 - x^2 + 1)^2 - (2)^2 dx$$

10.



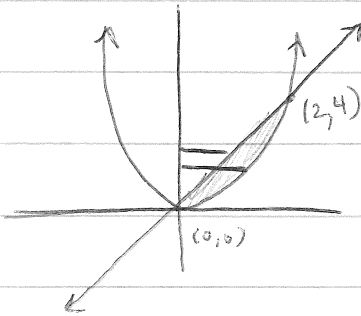
$$\pi \int_0^{18} \left(5 - \sqrt{\frac{y}{2}}\right)^2 - (2)^2 dy$$

11.



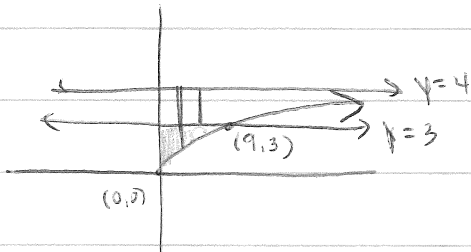
$$\pi \int_0^2 (6-3x)^2 dx$$

12.



$$\pi \int_0^4 (\sqrt{y})^2 - \left(\frac{y}{2}\right)^2 dy$$

13.



$$\pi \int_0^9 (4-\sqrt{x})^2 - (1)^2 dx$$