

$$
y=x^{3} \quad y=1 \quad x=2
$$

around $y$-axis.

$$
\begin{array}{l|l}
\hline 0 & 0 \\
1 & 1 \\
2 & 8
\end{array}
$$

$$
2 \pi \int_{a}^{b} r(f-q) d x
$$

$$
2 \pi \int_{1}^{2} x\left(x^{3}-1\right) d x
$$

$$
=\frac{47 \pi}{5} \text { units }^{3}
$$






February 17, 2022


