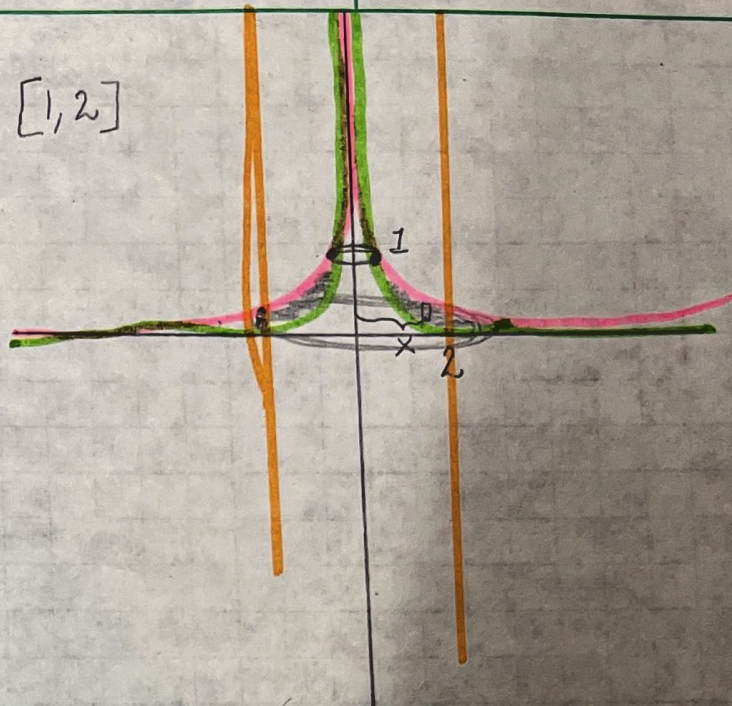


2.3 A volume by Shells

2b) $y = \frac{1}{x}$ $y = \frac{1}{x^2}$ $x = 2$ $[1, 2]$

(I) $2\pi \int_1^2 x \left(\frac{1}{x} - \frac{1}{x^2} \right) dx$



(II)

$2\pi \int_1^2 x + 3 \left(\frac{1}{x} - \frac{1}{x^2} \right) dx$

