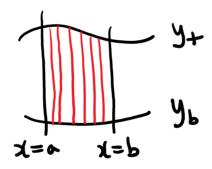
Quiz tomorrow 25.4

27.8 Applications of Trig/Ln/Exponential will not be on Test 3 will be on exam

Practice Problems on website

26.2 Area RECAP



$$A = \int_{\alpha}^{b} (y_{+} - y_{b}) dx$$

$$A = \int_{C}^{d} (x_r - x_i) dy$$

Ex: Set up the area bounded by $y=x^2$ and y=2x using:

a) vertical slices

b) horizontal slices

$$A = \int_{S} (Sx - x_{y}) dx$$

$$0 \le x \le S$$

$$A^{p} = x_{y}$$

$$y = 2x$$

$$y = x$$

$$x = y$$

$$x_1 = y$$

$$y = x^2$$

$$A = \int_{0}^{4} (x_{r} - x_{t}) dy$$

$$= \int_{0}^{4} (\sqrt{3}y - \frac{1}{2}) dy$$
Either way $A = \frac{4}{3}$

Tomorrow: