Assignment 16: Due Mon Nov 20th

When the region below is revolved about the x-axis, it will create a three-dimensional chess rook. Write a series of integrals to represent the volume of the resulting solid, and calculate it. Give an exact form and an approximation.

(The function y = 2/x defines the curve from C to D. All other segments are linear.)

$$S^{\frac{1}{2}} + S^{\frac{1}{2}} (\frac{1}{2}) + S^{\frac{1}{2}} (\frac$$