

Assignment 17: Due Mon Nov 27th

$b > 0$ is a constant. The region bounded by the curves listed below is revolved about the y-axis. Interestingly, the volume of the resulting solid will be the same no matter what b equals. Find the volume.

$$y = \frac{1}{x^2}$$

$$y = 0$$

$$x = b$$

$$x = 2b$$