Solids by Revolution: Washer Method

1. Find the volume of the solid generated by revolving the region bounded by $y = x^2$ and $y = 4$ about the x-axis.

2. Find the volume of the solid generated by revolving the region bounded by $y = 1 - x$, $y = 0$, and $x = 0$ about the line $y = -1$.

3. Find the volume of the solid generated by revolving the region bounded by $y = \sqrt{x}$, $y = 0$, and $x = 4$ about the y-axis.