For each three dimensional object described below,
(a) Sketch the solid described
(b) Set up an integral that gives you the volume of the object
(c) Evaluate the integral to find the volume

1. The region bounded by $y=4-2 x$ in the first quadrant is rotated about the $x$-axis
2. The region from $\# 1$ is rotated about the $y$-axis
3. The region bounded by $y=\sqrt{x}, y=2$, and $x=0$ is rotated about the $y$-axis
4. The region from $\# 1$ is rotated about the line $y=-3$
5. The region from $\# 3$ is rotated about the line $x=4$
