1. In the space below, write the formula for the Cylindrical Shells Method with accompanying formulas. Assume we are integrating with respect to $x$.

2. Sketch the region $R$ above the $x$-axis that is bounded by $y = \sqrt{x+2}$ and $y = x$. We want to determine the volume of the solid obtained by rotating $R$ about the $x$-axis.

   (a) Set up the integral(s) for the volume assuming you are using the Disk/Washer Method.

   (b) Set up the integral(s) for the volume assuming you are using the Shell Method.

§2.2