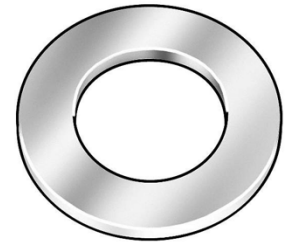**11.3 Volumes of Rotational Solids (part 2)**

(1)   The Disc Method –

(2)   The Washer Method –

Revolution about the *x*-axis:

[ ]

Revolution about the *y*-axis:

[ ]

Consider the area bounded by the graphs $y = -x^2 + 2x + 1$ and $y = 1$. What volume is generated if this area is rotated about the *x*-axis?

Consider the area bounded by the graphs $y = \frac{x}{2}$ and $y = \sqrt{x}$. What volume is generated if this area is rotated about the y-axis?