- 1. Let R be the region bounded by $y = -x^3 + 9x$ and the x-axis with x > 0. Find the volume when R is rotated about
 - a. the y-axis
 - b. the x-axis
 - c. the line x = -3
 - d. the line y = -3
- 2. Let R be the region bounded by $y = e^{(x^2)} 1$, the x-axis, and the line x = 3.
 - a. Find the volume when R is rotated about the y-axis
 - b. Approximate the volume accurate within 0.001 when R is rotated about the x-axis