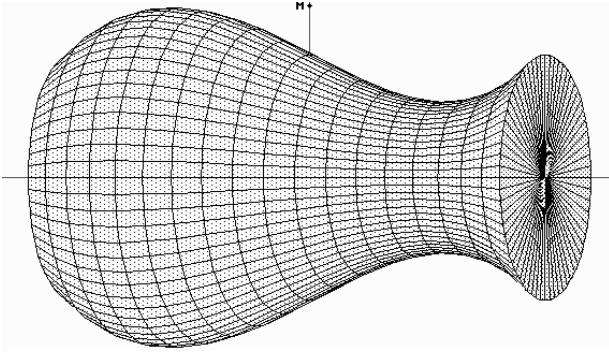


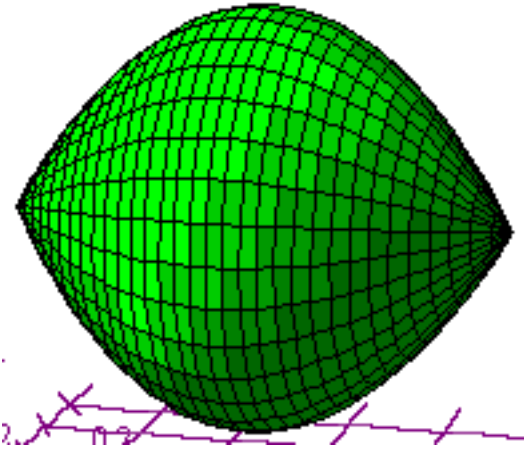
AP Calculus AB
Disc Method Worksheet

Name: _____

- #1. Find the volume of the solid generated when the area bounded by the curves $y = x^3 - x + 1$, $x = -1$, and $x = 1$ is revolved around the x-axis.



- #2. Find the volume of the solid generated when the area bounded by the curve $y = x - x^2$ and the x-axis is revolved around the x-axis.



- #3. Find the volume of the solid generated when the area bounded by lines $y = 6x - 3$, $x = 0$, and $y = 6$ is revolved around the y-axis.