Written HW7 – MATH 2502 Spring 2022

Due by 15 February for timely completion credit

Draw the region bounded by the curves. Use the washer method to find the volume when the region is rotated about the given line.

1. Region bounded by $y = \sqrt{x}$, $x = 4$, and the x-axis; rotated about the y-axis
2. Region bounded by $y = e^x + 1$, $x = 0$, $x = 1$, and $y = 0$; rotated about the x-axis
3. Region bounded by $y = x$, $y = 1 - x$, and the y-axis; rotated about the line $y = -2$ (*not an axis!!*)