

Written HW4 – MATH 2502 Spring 2021

Due by 5 February for timely completion credit

Consider the region bounded by the curves $y = e^{\frac{x}{4}}$, $y = 0$, $x = 0$, and $x = 6$ rotated about the x -axis. Compute the volume of this solid of revolution. Include a plot of the region being rotated, its “shadow region”, and a sketch of the relevant disks or washers for full credit.