Quiz 3 - Calculus 101B - Spring 2019

1. (8 pts) Use the washer method to determine the volume of the solid obtained by rotating the region bounded by $y = 2\sqrt{x-1}$ and $y = x - 1$ about the y-axis.

2. (8 pts) Use the shell method to find the volume of the solid generated by revolving the region bounded by $y = 4x - x^2$ and $y = 8x - 2x^2$ about the line x $= 7$. You should use graphing technology to graph the functions.