Homework 17
Due Dec 4 (sec 7-9), Dec 5 (sec 1-3)

The 2nd edition problems, section 8.1, p. 471-472

1, 3, 5, 7, 9, 11, 13, 15, 23, 33, 35, 39

In the 1st edition these are found in section 8.1, pp. 485-486. Here are the changes:

23 $\rightarrow$ 22

33 $\rightarrow$ Compute the surface area of revolution about the $x$-axis over the interval for

$$y = x, \quad [0, 4].$$

35 $\rightarrow$ Same deal as 33 except $y = x^3$ over the interval $[0, 2]$.

39 $\rightarrow$ 42, except don’t use a computer algebra system—do the computation by hand.