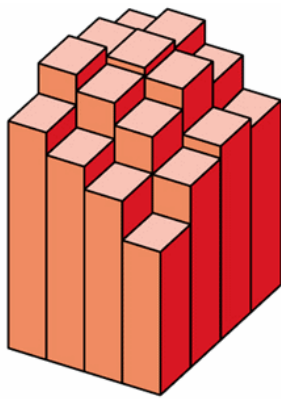
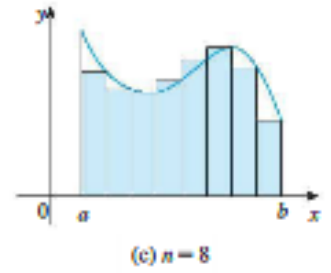
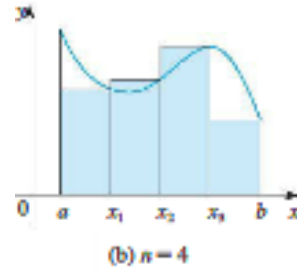
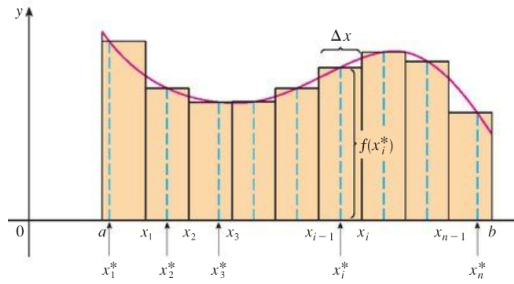
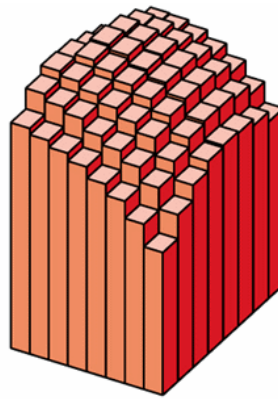


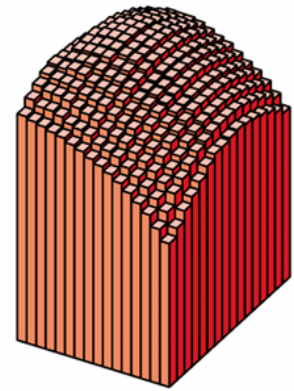
Volume



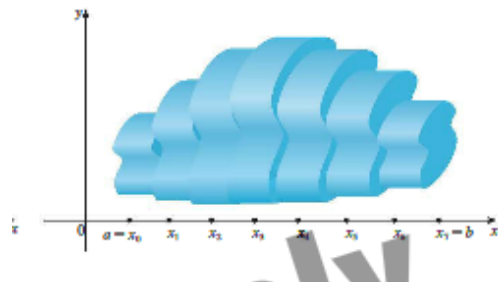
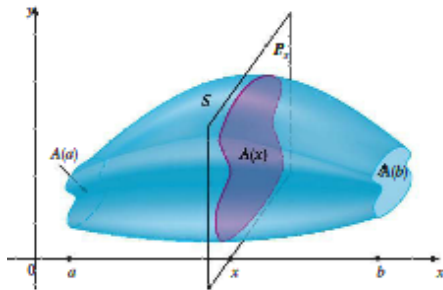
(a) $n = 16$



(b) $n = 64$



(c) $n = 256$



Consider the region bounded by $y = x^3$, $y = 8$, and $x = 0$ where the x and y axis are measured in ft.

1. Draw this region. (You will need to extend the axis I provided here.)
2. Sketch the volume obtained by rotating this region about the y -axis.
3. Find the volume of the solid you drew in problem 2.

