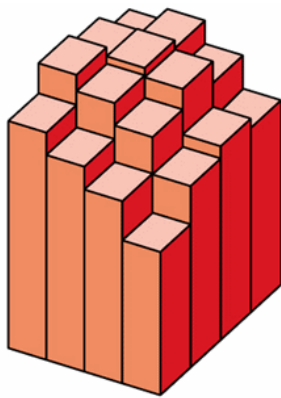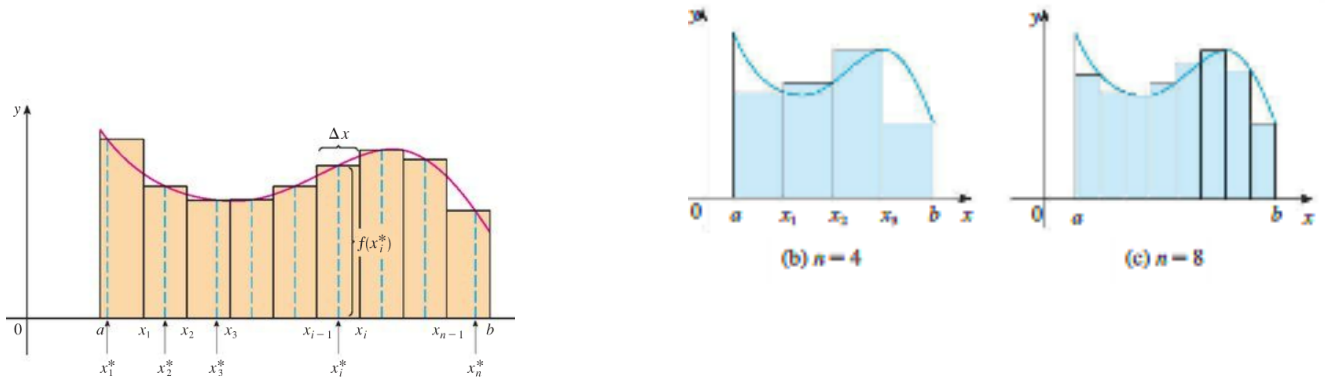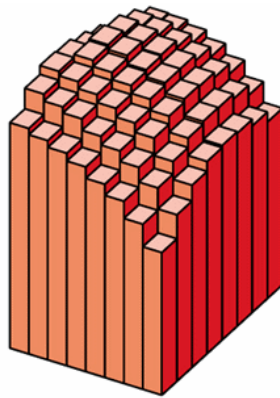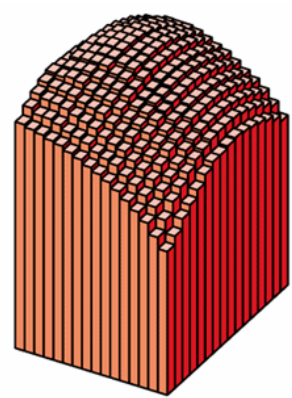# Volume

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.
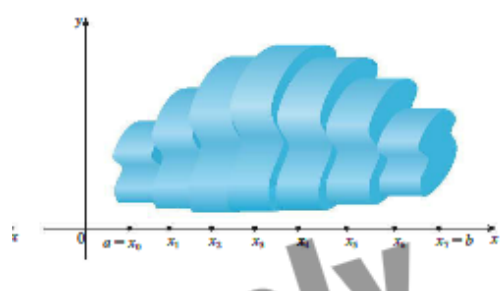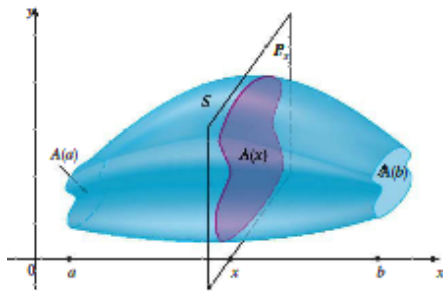
Consider the region bounded by $y = \frac{1}{2}x^3$, $y = 4$, and $x = 0$ where the x and y axis are measured in ft.

1. Draw this region.

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.