

Classroom Voting Questions: Calculus II

Section 8.1 Areas and Volumes

1. If we slice a cone with a circular base parallel to the x -axis, the resulting slices would look like
 - (a) Circles
 - (b) Triangles
 - (c) Cylinders with a circular base
 - (d) Cylinders with a triangular base
 - (e) Cones

2. If we slice a cone with a circular base parallel to the x -axis, then the thickness of the slices is given by
 - (a) Δx
 - (b) Δy
 - (c) x
 - (d) y

3. If we put the tip of a cone with a circular base at the origin and let it open upward, and then slice the cone parallel to the x -axis, then the cross-sectional area of the slices
 - (a) Is constant
 - (b) Increases as y increases
 - (c) Decreases as y increases