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) $\Delta x$
(b) $\Delta y$
(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