1. Axis of Integration: ______

2. Find the volume of a typical slice.
   (a) Draw a typical slice and label its dimensions with appropriate arrows.

Write the volume in terms of the variables used

______ = ____________________
(b) Draw a graph of the \( x-y \) cross section, then draw and label a typical slice using appropriate arrows.

(c) Find the volume of the typical slice in terms of the variable of integration.

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\quad = \quad
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3. Find the bounds of integration and write an integral for the total volume of this object.