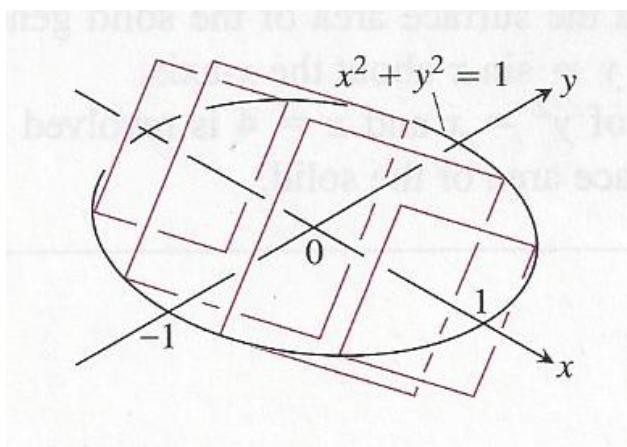


AP CALCULUS AB

- 1) Find the volume of the solid, whose cross-sections perpendicular to the x -axis, are squares, with their diagonals running from one side of the circle to the other, as pictured.



PRISMATIC CROSS-SECTIONS

- 2) Find the volume of the solid, whose cross-sections perpendicular to the x -axis, are circles, with their diameters running from one branch of the parabola to the other, as pictured.

