VOLUME

Use the drawing below to work the following problems.

B (0,8) C (4,8)

O (0,0) A(4,0)

$y^2 = x^3$
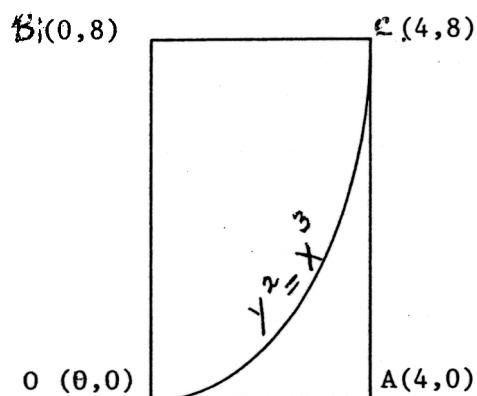
Find the volume of the solid of revolution when the indicated region is revolved about the given axis.

(1) OAC about the x axis

(2) OAC about the line BC

(3) OBC about the y axis

(4) OBC about the x axis

(5) OAC about the line AC

(6) OAC about the y axis

(7) OBC about the line BC

(8) OBC about the line AC

(9) OAC about the line x = 6

(10) OAC about the line y = -3