

Name: \_\_\_\_\_

Date: \_\_\_\_\_

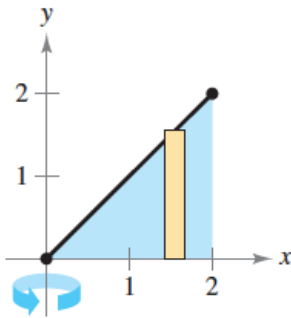
## 5D2 Exercises

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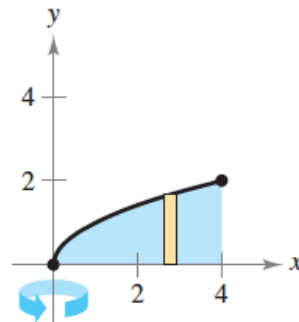
### Shell Method

Use the shell method to find the volume of the solid generated by revolving the plane region about the  $y$ -axis.

1.  $y = x$



3.  $y = \sqrt{x}$



Use the disc or shell method to find the volume of the solid of revolution described.

29.  $y = x^3$ ,  $y = 0$ ,  $x = 2$

- (a) the  $x$ -axis      (b) the  $y$ -axis      (c) the line  $x = 4$