

Video 1:

Rotations of 2D Shapes

Example 1:

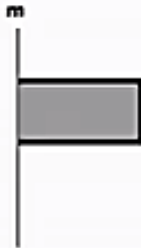
Describe the solid that is formed by rotating each of these figures about line *m* and sketch it.

a)



Name/Description

b)



Name/Description

c)



Name/Description

d)

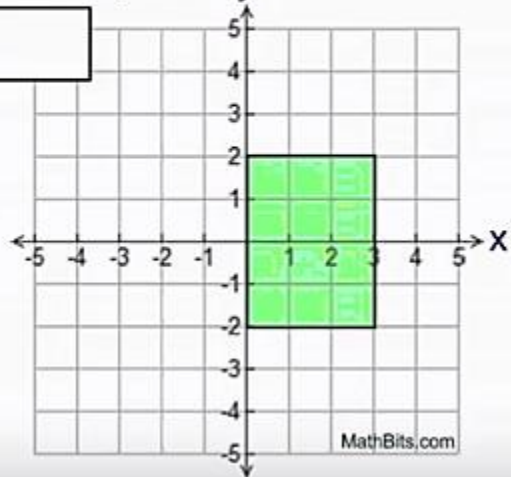


Name/Description

Example 2:

Rotate about *y*-axis:

V =



Video 2:

1. What 3D shape is created by rotating a rectangle? _____
2. What 3D shape is created by rotating a triangle? _____
3. What 3D shape is created by rotating a trapezoid? _____
4. What 3D shape is created by rotating a semicircle? _____

Practice -Use Stacker Tool <http://www.scottle.edu.au/ec/viewing/L588/index.html>

Directions: Rotate each 2D figure and circle the correct resulting 3D figure. Choose SPIN option.



1. Spin **square** along y axis line



2. Spin **square** along x axis line



3. Spin **rectangle** along y-axis line.



4. Spin **rectangle** along x-axis line.



5. Spin **triangle** along y-axis line.



6. Spin **triangle** along x-axis line.

