

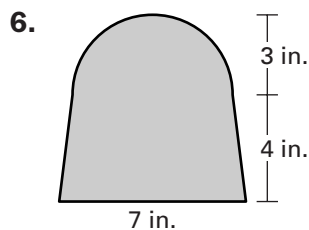
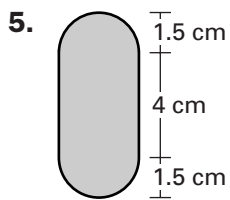
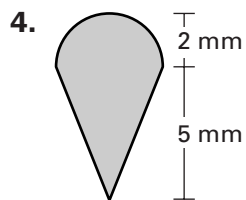
# Challenge Practice

For use with pages 527–533

On a coordinate grid, use a compass to draw the circle with the given center and given point on the circle. Then find the circumference and area of the circle.

1. Center:  $(0, 0)$   
Point on circle:  $(4, 0)$
2. Center:  $(0, 0)$   
Point on circle:  $(4, 3)$
3. Center:  $(1, 0)$   
Point on circle:  $(-5, 0)$

Find the area of the figure.



Find the area of the shaded portion of the figure. If necessary, round to the nearest hundredth.

