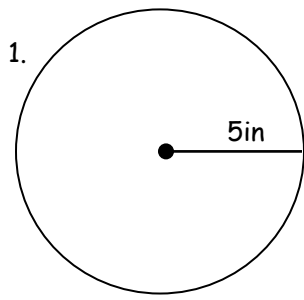
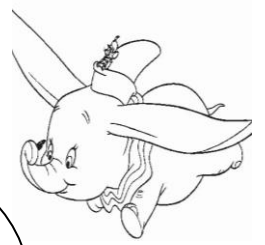


# CIRCLES

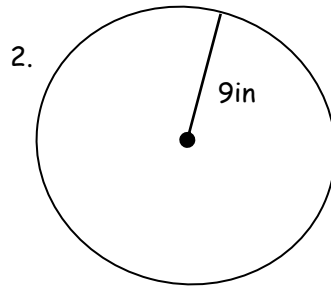
NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

Find the area and circumference of the following circles.



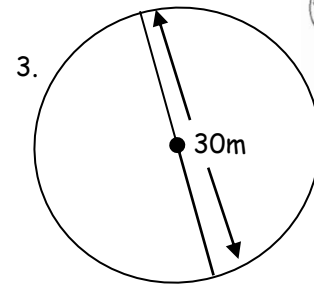
Area \_\_\_\_\_

Circum \_\_\_\_\_



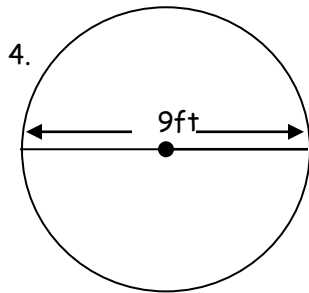
Area \_\_\_\_\_

Circum \_\_\_\_\_



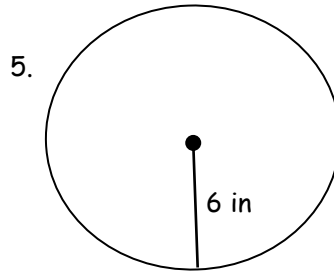
Area \_\_\_\_\_

Circum \_\_\_\_\_



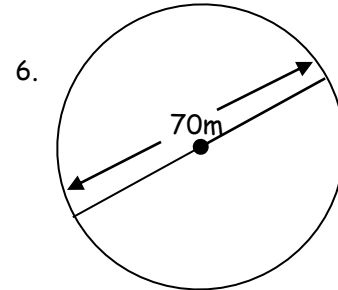
Area \_\_\_\_\_

Circum \_\_\_\_\_



Area \_\_\_\_\_

Circum \_\_\_\_\_



Area \_\_\_\_\_

Circum \_\_\_\_\_

7. Find the radius of a circle with circumference  $4\pi$ .

8. Find the area of a circle with circumference  $18\pi$ .

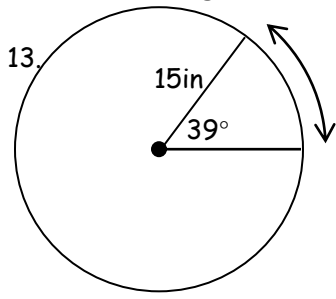
9. Find the radius of a circle with area  $36\pi$ .

10. Find the circumference of a circle with area  $16\pi$ .

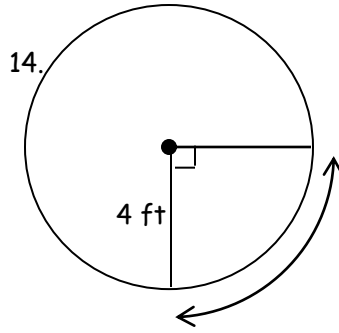
11. Find the radius of a circle with area  $81\pi$ .

12. Find the area of a circle with circumference  $12\pi$ .

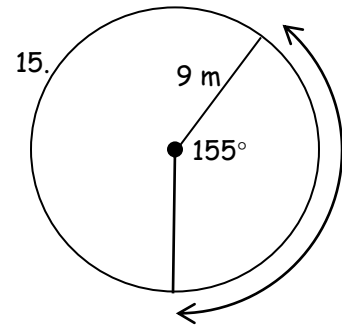
Find the arc length of the following circles.



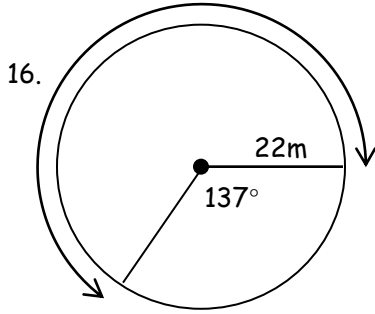
Arc Length \_\_\_\_\_



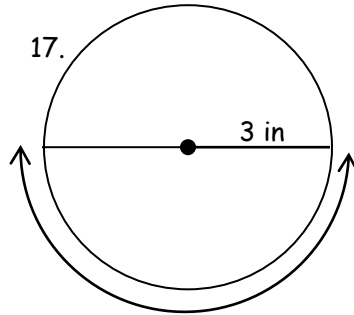
Arc Length \_\_\_\_\_



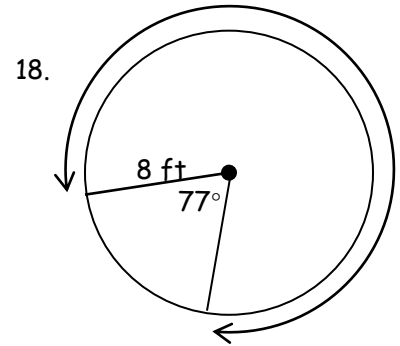
Arc Length \_\_\_\_\_



Arc Length \_\_\_\_\_

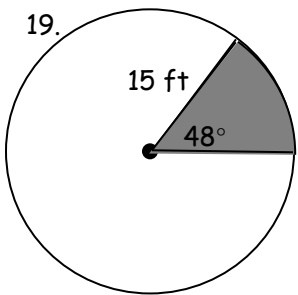


Arc Length \_\_\_\_\_

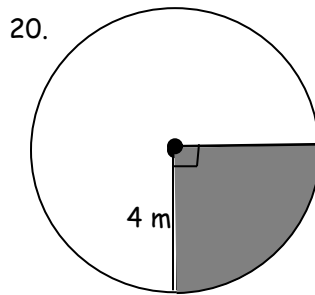


Arc Length \_\_\_\_\_

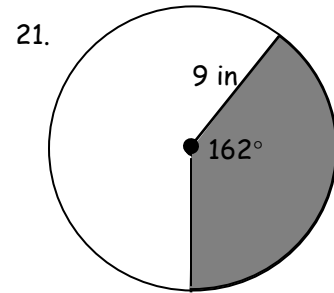
Find the area of the shaded region.



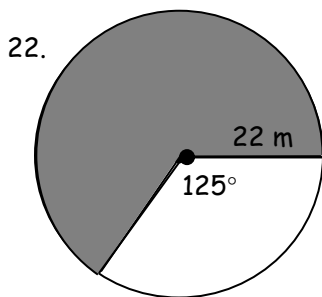
Area \_\_\_\_\_



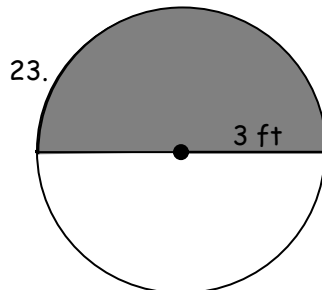
Area \_\_\_\_\_



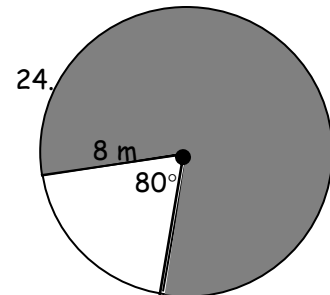
Area \_\_\_\_\_



Area \_\_\_\_\_



Area \_\_\_\_\_



Area \_\_\_\_\_