

2A.8 Learning Opportunity

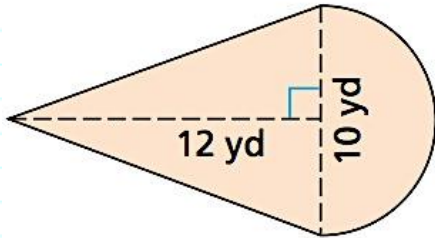
Measurement: Circular area and Circumference



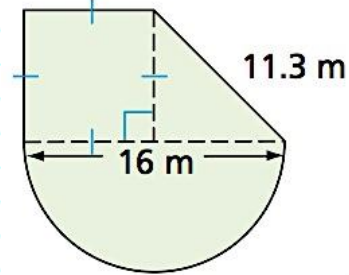
Name: _____

Find the area of each figure to the nearest tenth. (Use 3.14 for π)

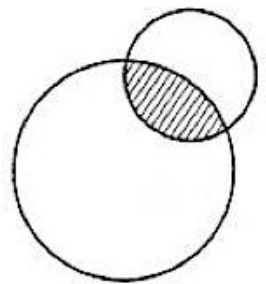
1)



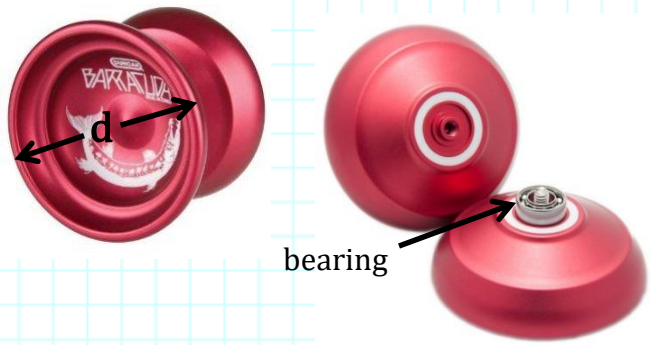
2)



- 3) A circle with a radius of 5 centimeters intersects a circle with a radius of 3 centimeters as shown. The area of the shaded region is $\frac{7\pi}{2}$ square centimeters. Find the total combined area inside the circles, but outside the shaded region. Leave your answer in terms of π .



- 4) A Duncan Barracuda yo-yo is shown. The bearing has a circumference of approximately 36 mm. The diameter of the yo-yo is $5\frac{1}{2}$ times larger than the diameter of the bearing. What is the circumference of the yo-yo?



- 5) Find the exact area of the blue shaded region.

