

Pi Day

Preston Carroll

March 17, 2019

How do we find the area of rounded shape?

Area Proof.png Area Proof.png

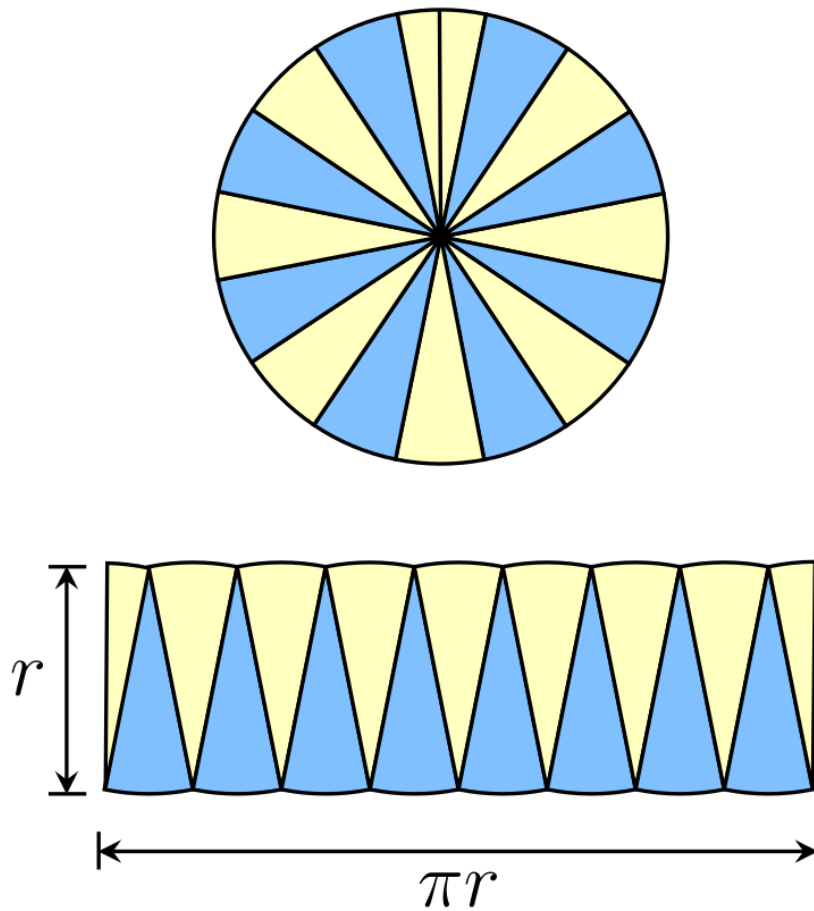
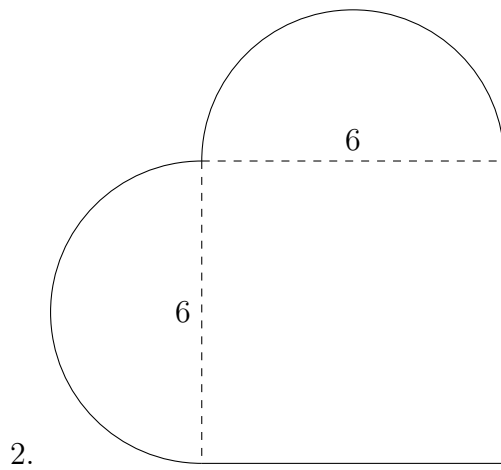
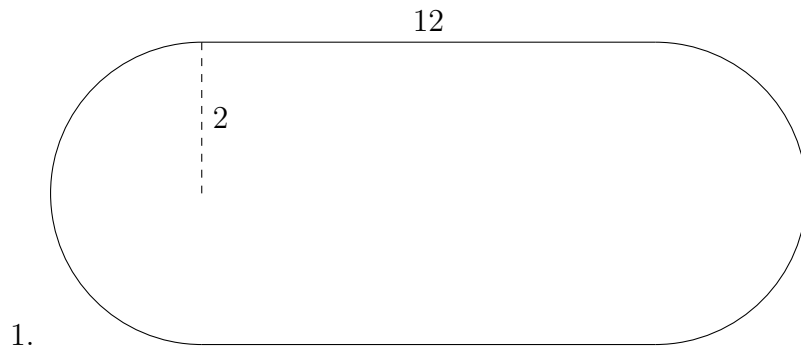
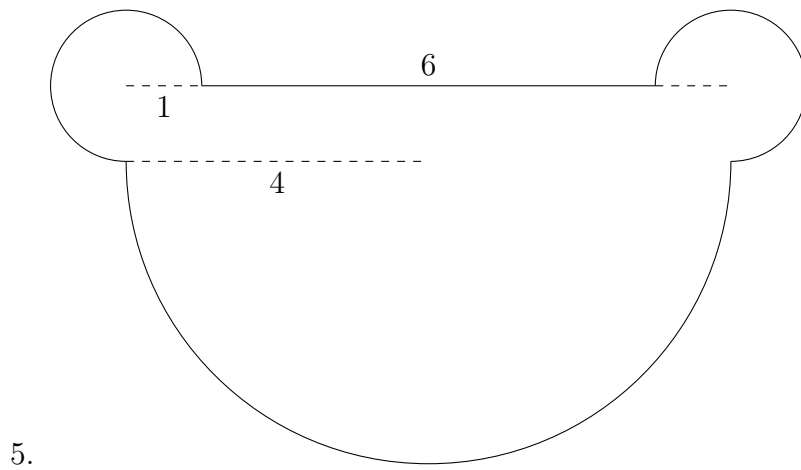
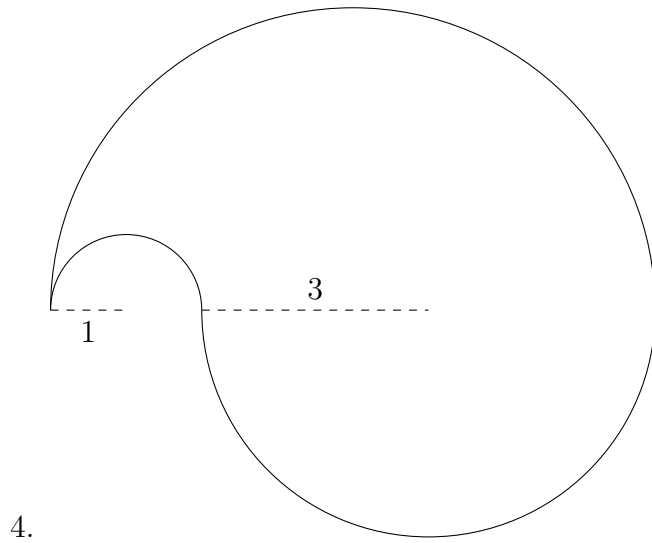
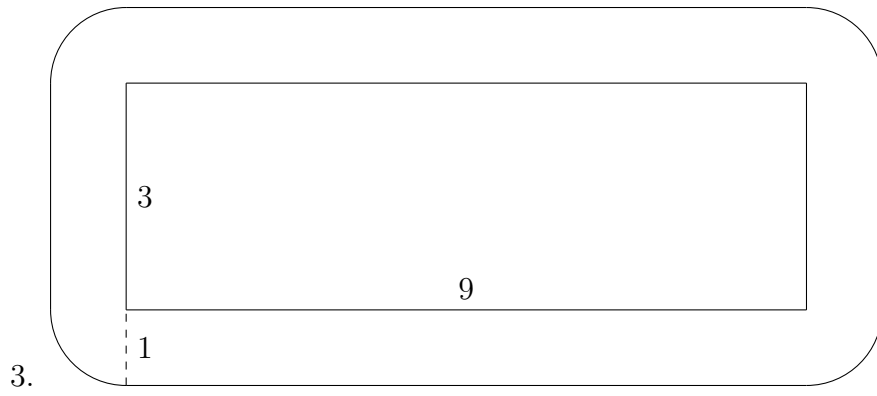


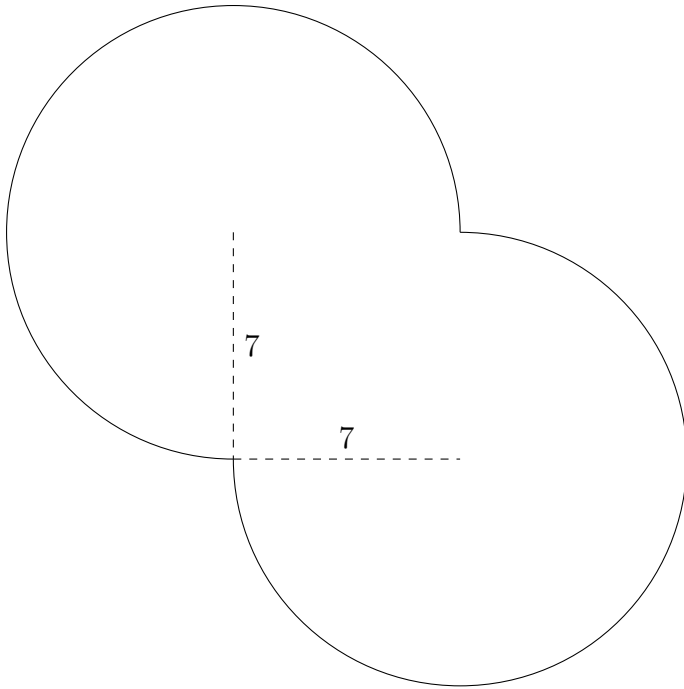
Figure 1: Area of a Circle by Sectors

Visualization of the Proof

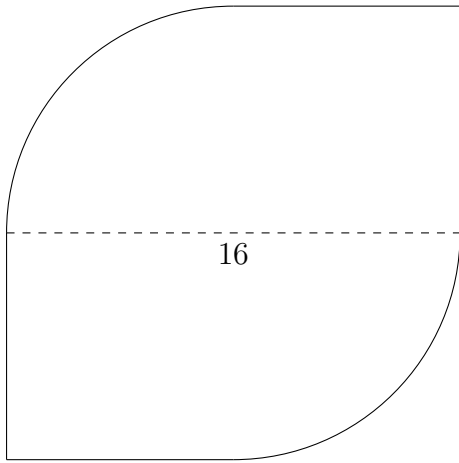
What is the area of each of the following shapes?







6.



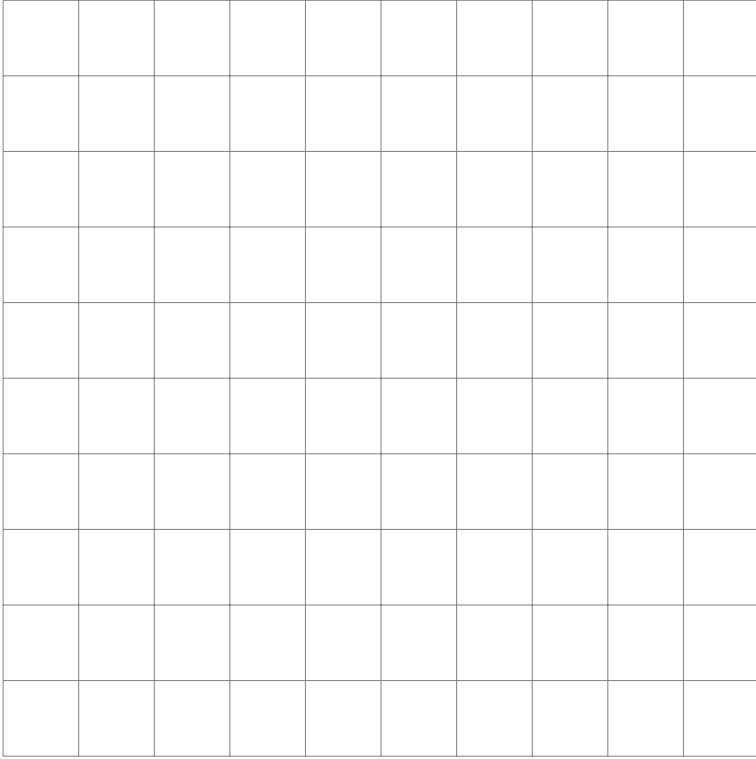
7.

Make your own shape using only arcs and straight lines. Have your partner find the perimeter and area and see if you two agree!



Perimeter:

Area:



Perimeter:

Area: