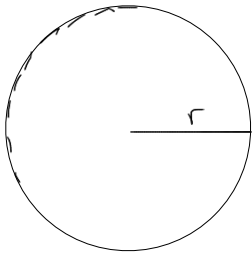


What is calculus? _____

Approximate. Refine. Repeat

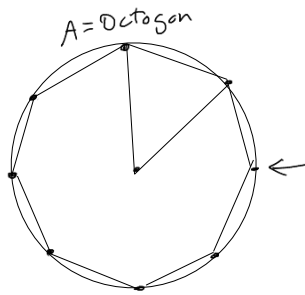
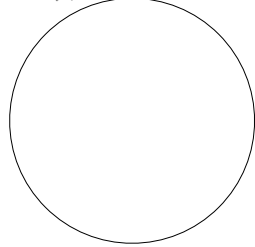
Ex



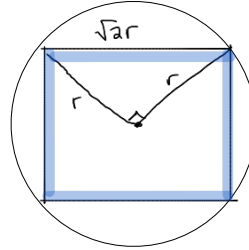
$$A = \pi r^2$$

A = 16-gon

$$A \approx 96\text{-gon} \\ \approx 3.142$$



A = Octagon



$$A = r^2$$

$$A = (\sqrt{2}r)^2 = 2r^2$$

We study the properties of continuous functions

