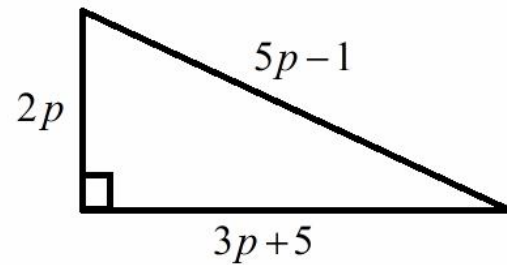


## Problem Solving Week 12

### Foundation:

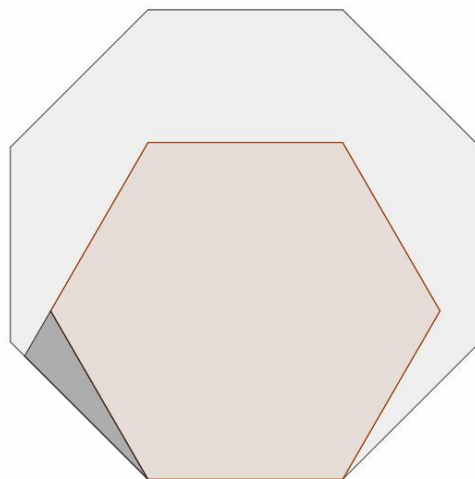
The perimeter of the triangle below is 44.



Find the area of the triangle.

### Higher:

The diagram below shows a regular octagon, a regular hexagon and a triangle. The octagon and hexagon share one side length.



Find the size of each angle in the dark shaded triangle.