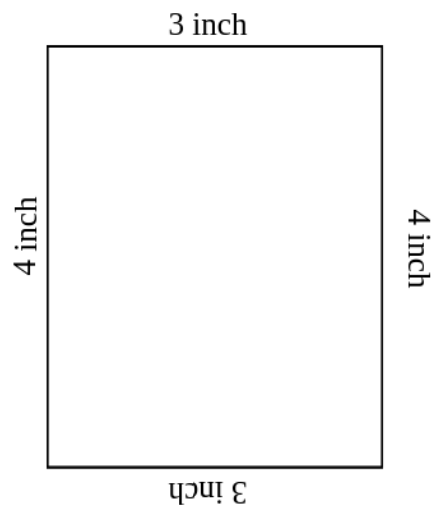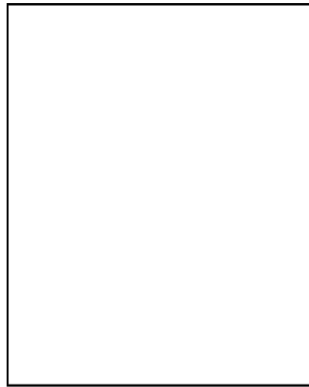# Question 1 – Detect the physical dimension of the given Rectangle

The given image contains a rectangular object and a solid circle which is of radius 1 inch. Your task is to find the physical dimension of the given square and put it into the corresponding sides as shown in the example figure.

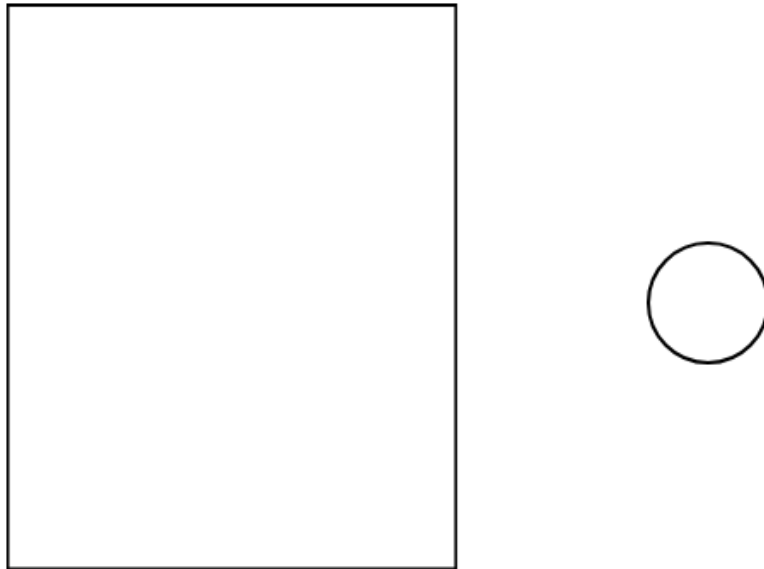3 inch

4 inch

4 inch

3 inch

Question 2 – Pack the Maximum Number of Identical Circles Inside a Rectangle

You are given a second image that contains a black-outlined rectangle and a hollow black circle.

1. **Write a Python script** that:

   ○ Places circles inside the rectangle in the most optimum way
   ○ Overlapping of circle or crossing the rectangle is not allowed
   ○ Partial circles should be avoided, i.e, place if only circles are complete.

Question 3:

Find the Angles of the Triangle Given Below