

# Circle Geoboard



pp. 7-8

Make triangles with one vertex at the center, and the other two on the circle.

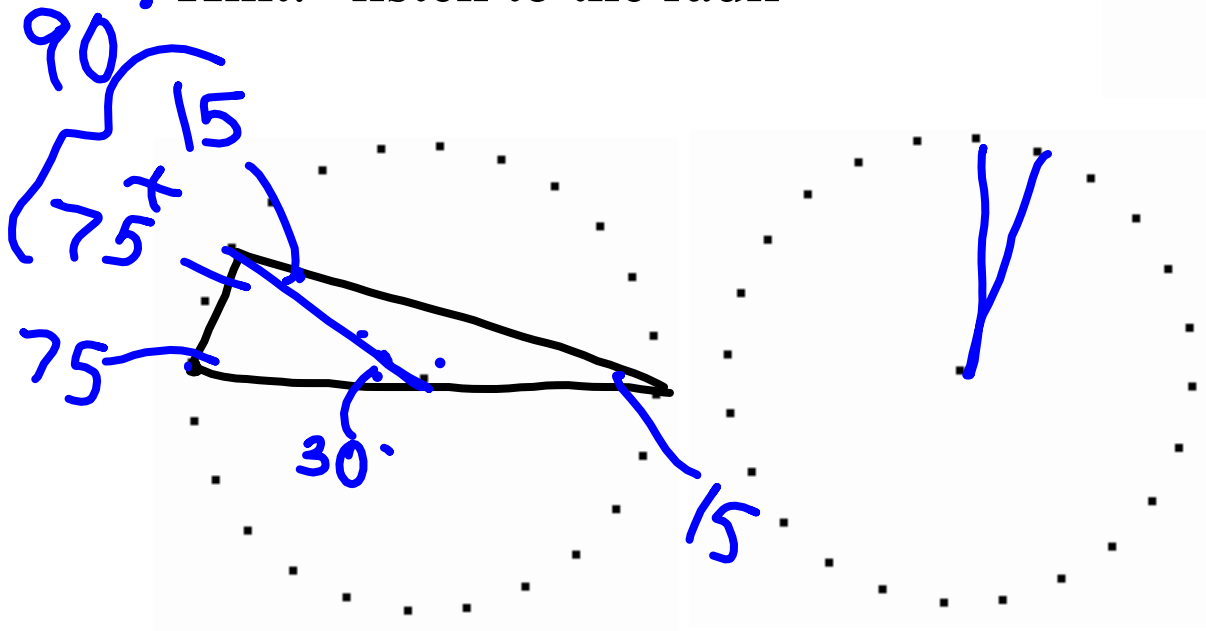
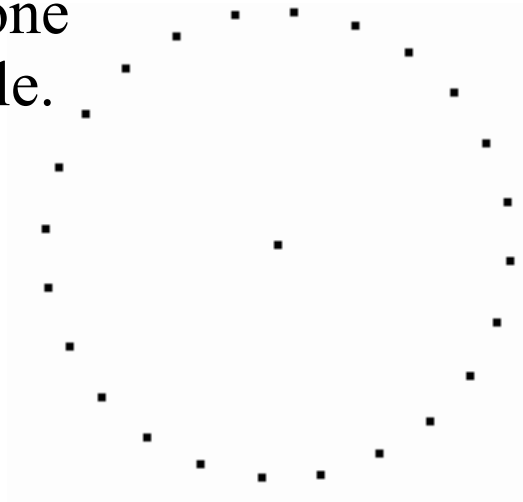
*For each triangle, find all the angles, and keep a record of your work.*

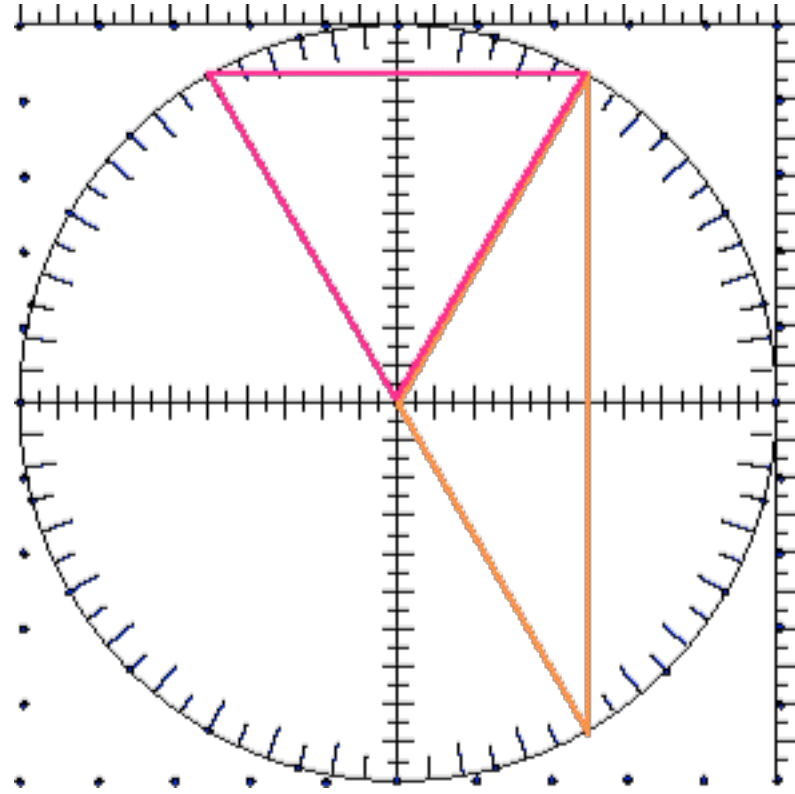
The image shows a 4x3 grid of circle geoboards. Each geoboard consists of a central dot and 24 dots arranged in a circle. The top-left geoboard has a blue triangle drawn with one vertex at the center and two on the circle. The angles are labeled: 30° at the top vertex, 30° at the right vertex, and 120° at the bottom vertex. The top-middle geoboard has a right-angled triangle drawn with one vertex at the center and two on the circle. The other geoboards in the grid are empty.

Make triangles that have a diameter as one side, and the opposite vertex on the circle.

*For each, find all the angles.*

Hint: "listen to the radii"





# The Intercepted Arc

