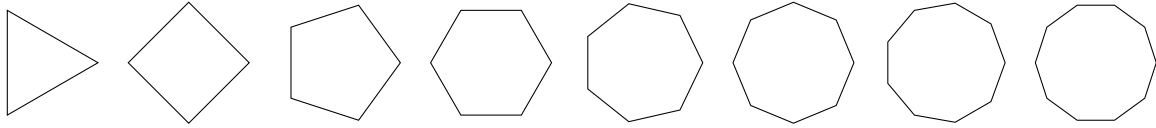
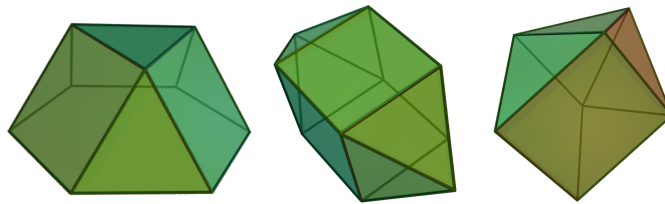


UW Math Circle Worksheet

A *regular polygon* is a two-dimensional shape with straight sides in which all sides and angles are equal. Here are some regular polygons:



A *solid* (regular-faced strictly-convex polyhedron) is a three-dimensional shape with sides that are regular polygons. Here are some solids:



The flat sides are called *faces*, the lines where faces meet are called *edges*, and the points where edges meet are called *vertices*.

1. Find as many solids as you can where each vertex is surrounded by only three faces.

2. Find as many solids as you can such that each face is a triangle.

