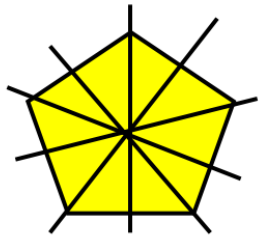
Symmetry in Regular Polygons



Materials: scissors, rulers, regular polygons sheet

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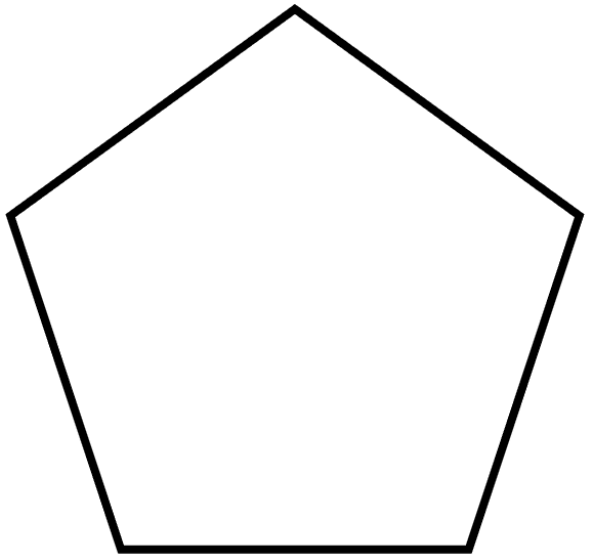
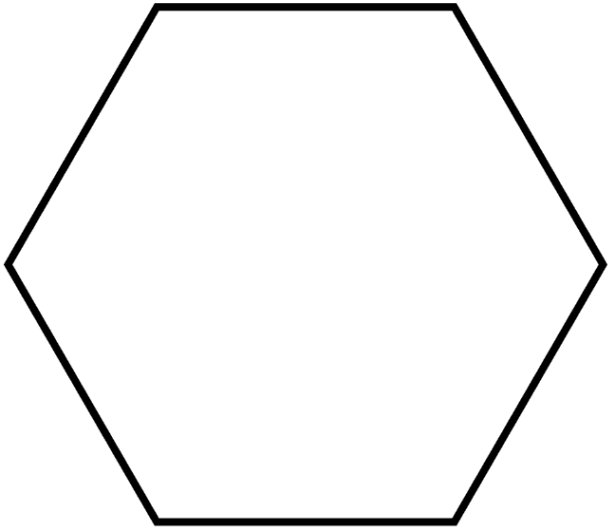
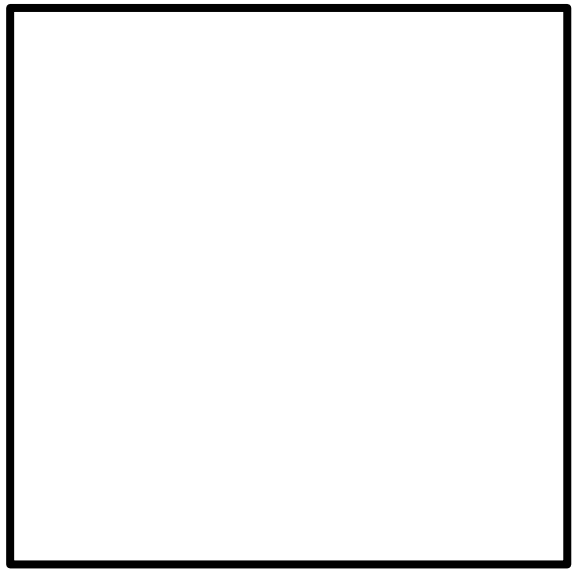
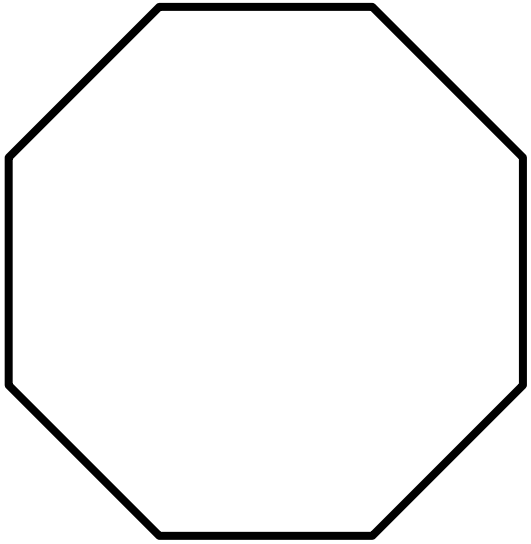
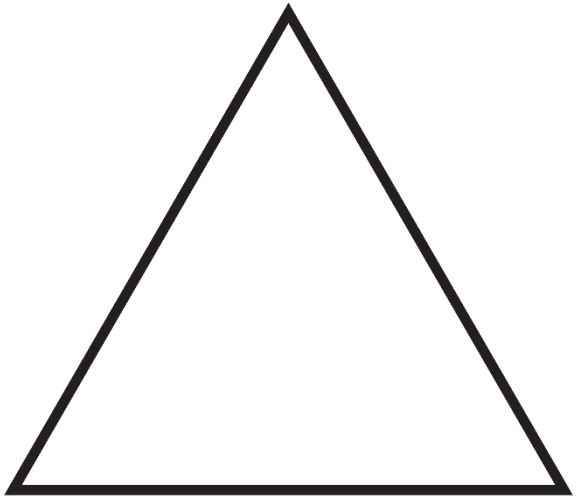
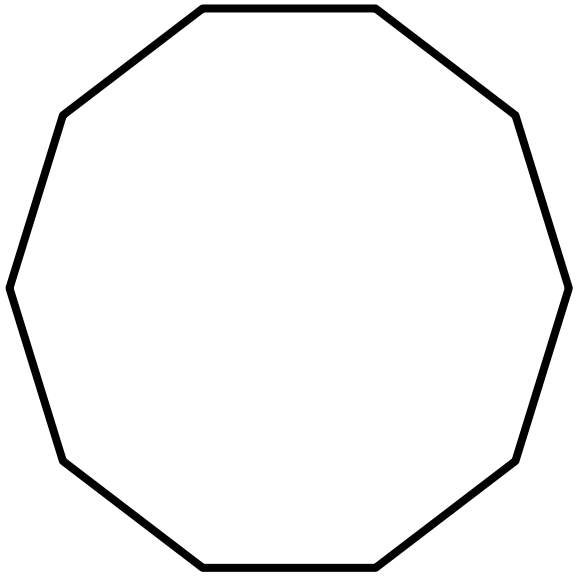
1. Work with a partner. Cut out 6 different **regular polygons** (polygons with all sides and all angles equal).

2. Fold each regular polygon to find all the lines of symmetry. Use a ruler to draw lines to mark the lines of symmetry.

3. Paste your shapes onto a clean sheet of paper. Make a three column table to show the name of each regular polygon, the number of sides, and the number of lines of symmetry.

4. What do you notice about the number of lines of symmetry for polygons with equal sides and equal angles? Generalize a rule about the number of lines of symmetry for regular polygons.

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