**Activity 3.4.6 Lines of Symmetry in Regular Polygons**

Use the template that comes with this activity.

1. Cut out the six regular polygons and fold along their lines of symmetry. You may want to work with a partner, each taking three polygons.

2. Sketch the lines of symmetry you found on the figures below.





3. Make conjectures about how many lines of symmetry a polygon with *n* sides has and where those lines are located. Also record any other patterns you notice.