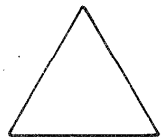


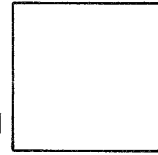
Alternate Explore: Cut out Shapes

- (i) Using the template attached, cut out three copies of each polygon using heavy paper (such as Bristol board) or cardboard. Using one polygon at a time, tessellate and trace the cut-outs to show your creation. Which polygons tessellate? Why?
- (ii) Using your sketches of the polygons which tessellate, find the sum of the angles at any given point on each sketch. What do you notice? Do you think this will always be the case? Why?

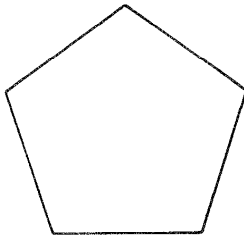
Regular Polygons



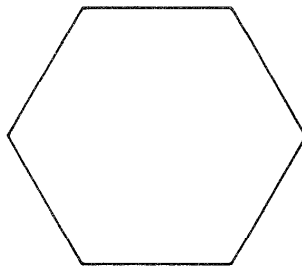
Equilateral
Triangle



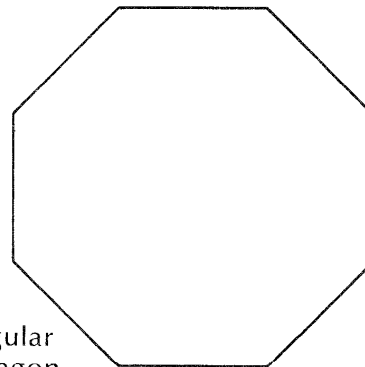
Regular
Quadrilateral
(Square)



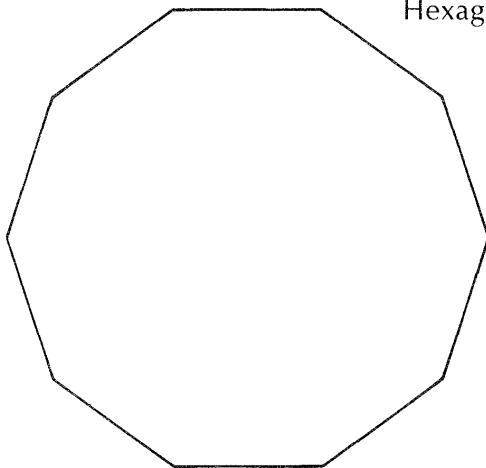
Regular
Pentagon



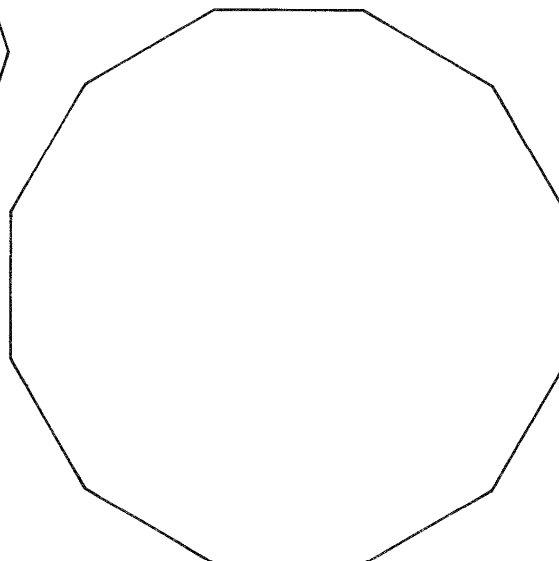
Regular
Hexagon



Regular
Octagon



Regular
Decagon



Regular
Dodecagon