

## Lesson 8.1

Draw a regular polygon with an even number of sides. Draw two parallel lines inside the polygon. For the first line, choose a vertex, skip a vertex, then use the next. Draw a line parallel to the first line by choosing a vertex, skipping a vertex, then using the next vertex. (An example diagram is shown.)

Look at the polygon formed by the parallel lines and sides of the original polygon. (In this example diagram, that polygon is  $ABDEFH$ .)

(a) In some regular polygon, can it be equiangular?

(b) Can it be equilateral?

Given an example if the answer is yes, or an explanation of the answer is no.

