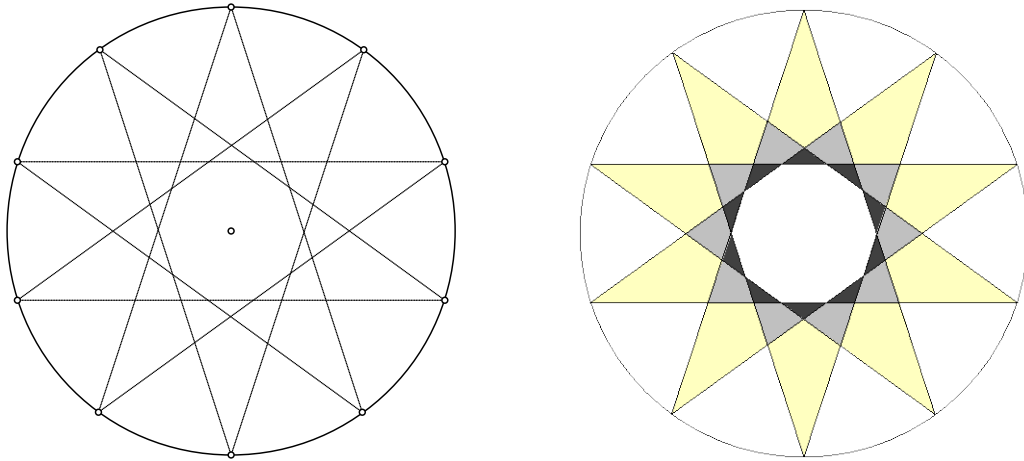


# A DECAGONAL STAR

The design shown below (right) is based on a regular decagon - a polygon with ten equal sides.



To draw your own decagonal star, follow the directions below.

1. Mark the corners of a complete decagon using the half – decagon “channel” in the lower right-hand corner of Geo-Pro.

Alternatively, draw a large circle using the protractor (join two semi–circles) and mark points every  $36^\circ$  around the circumference.

2. Use erasable pencil to draw the guide lines as shown in the left diagram above.
4. Using pen, mark the lines to be kept.
5. Erase the remaining pencil lines.
6. Colour your design.