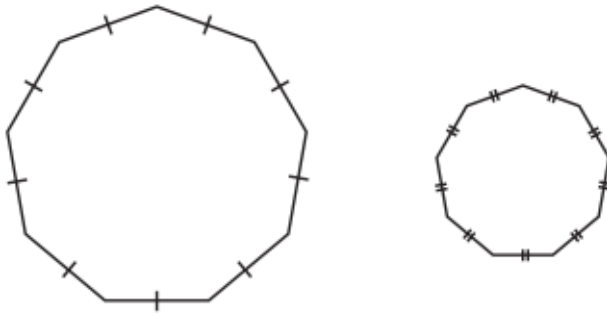


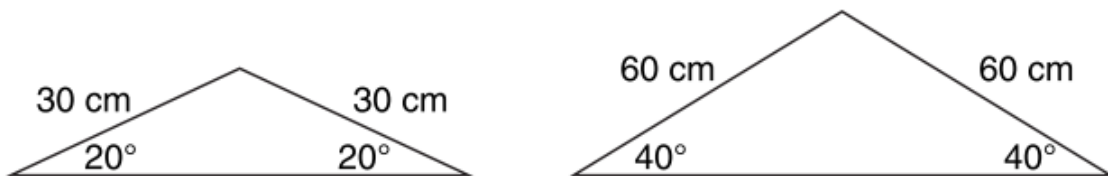
Regular Polygons

1. Are the following polygons similar? Explain.



Yes, these regular nonagons are similar. Both have 9 sides of equal length, which means they also have 9 identical angle measures.

2. Sally believes that both of the triangles shown are regular and similar polygons. Is Sally correct?



Sally is incorrect. The triangles are not similar because their acute angles are not congruent. Also, for a triangle to be a regular polygon, each of the angles must measure 60° .