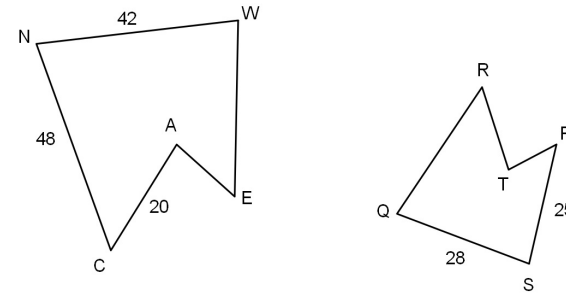


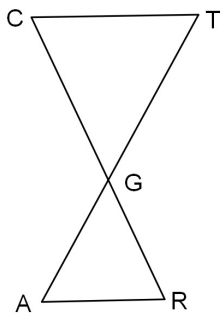
1. The scale on a map is 2in = 35 miles. Two towns are 80 miles apart in real life. How far apart are they on the map?
2. The scale on a drawing of a plane is 3:110. The wingspan of the plane in the drawing is 13 inches. What is the actual wingspan of the plane? Give your answer in feet rounded to the nearest tenth.

3. The two figures are similar. Find the length of  $\overline{RQ}$ .

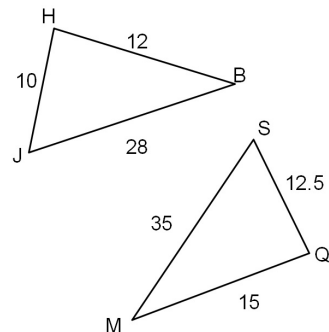


4. Are the triangles similar? If yes, state why and write a similarity statement.

a) Given:  $\overline{CT} \parallel \overline{AR}$



b)



5. Find the value of the variable(s) in each figure.

