Geometry   Name_____
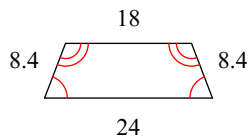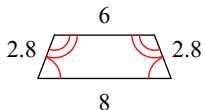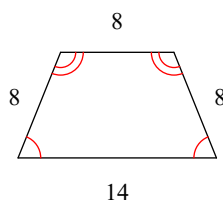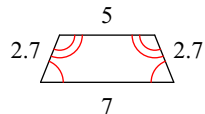
Similar Polygons Quiz Review (Quiz Wednesday!)

State if the polygons are similar. (Hint: Use SLRs and corresponding angles ... NO SHORTCUTS!!)
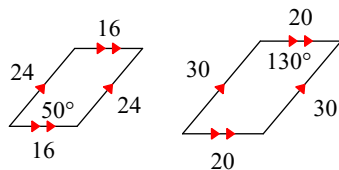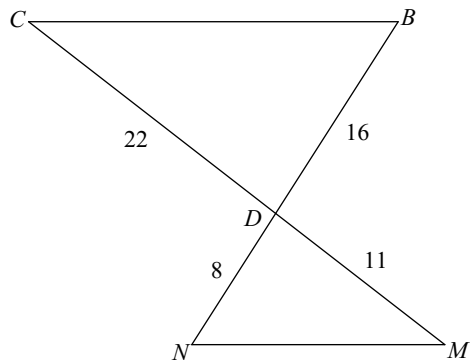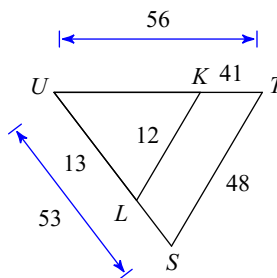
1)

2)

3)

State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.
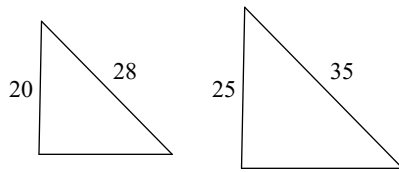
4)

$\triangle DCB \sim$ _____
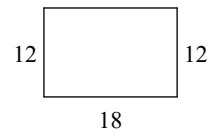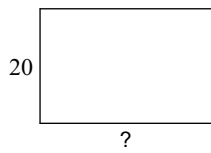
5)

$\triangle UTS \sim$ _____

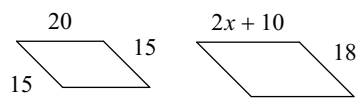**The polygons in each pair are similar. Find the scale factor of the smaller figure to the larger figure.**

6)

The polygons in each pair are similar. Find the missing side length.

7)

Solve for x. The polygons in each pair are similar.

8)

Answers to Similar Polygons Quiz Review (Quiz Wednesday!)

1) similar

2) not similar

3) similar

4) similar; SAS similarity; $\triangle DMN$

5) not similar

6) $4 : 5$

7) 30

8) 7