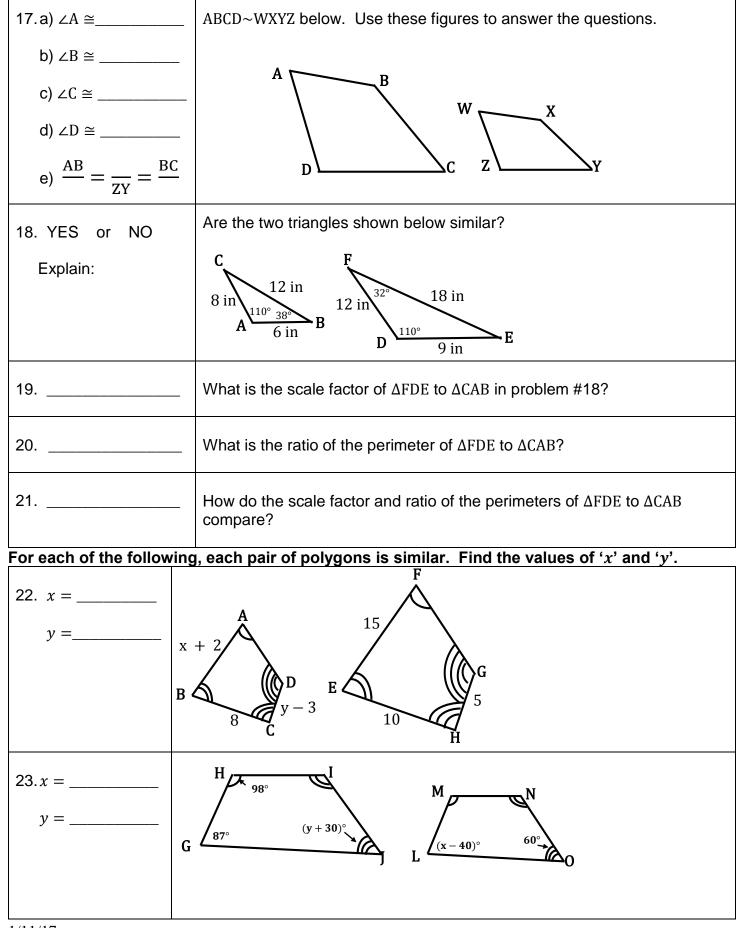
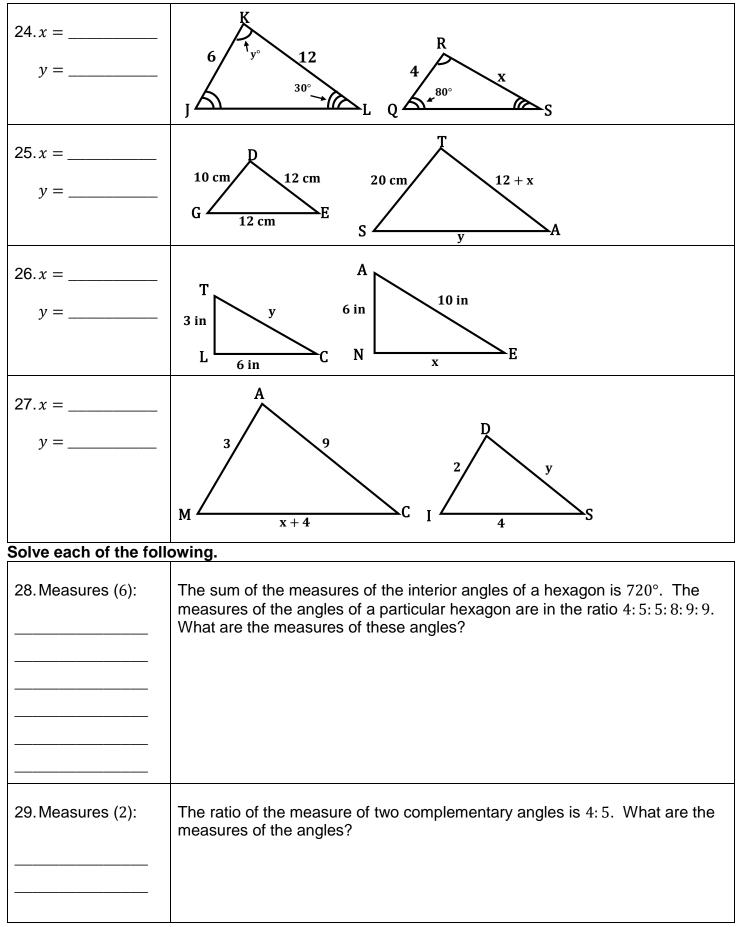
NAME		DATE	PER			
		DATE 8.1: SIMILAR POLYGONS				
Use the figures be	low to answer t	the questions that follow.				
1	$\angle A \cong ?$	В	M			
2	<u>AB</u> : ?					
3	<u>CA</u> : ?					
4	∠M ≅ ?		LN			
5	$\angle C \cong ?$					
6	<u>MN</u> : ?					
7	Name the side	included between $\angle A$ and $\angle B$ .				
8	Name the angle included between $\overline{\text{MN}}$ and $\overline{\text{LM}}$ .					
9	Name the angle included between $\overline{AC}$ and $\overline{BC}$ .					
10	Name the side included between $\angle L$ and $\angle N$ .					
If Quad LMNO is similar to Quad WXYZ, name the following.						
11						
12	<u>MN</u> : ?					
13	$\angle N \cong ?$					
14	<del>ZW</del> : ?					
15	What angle is i	ncluded between $\overline{WX}$ and $\overline{XY}$ ?				
16	What side is in	cluded between $\angle N$ and $\angle O$ ?				



1/11/17



30	The angles of a triangle are in the ratio of 3:4:5. What is the degree measure of the smallest angle of the triangle?
REVIEW PROBLEMS Solve for 'x' in each o	f the following
31. <i>x</i> =	$\frac{x+6}{3} = \frac{5x}{9}$
32. <i>x</i> =	$\frac{2x-7}{9} = \frac{12-7x}{6}$

Set up a proportion and solve.

33	For field trips, the Brighton School requires that the teacher to student ratio be at least 2:15. If there are 45 students on a field trip, what is the least number of teachers needed to supervise?
34	Recall that the slope of a line is a ratio of the rise to the run. If a line has a slope of $\frac{3}{5}$ , and you have chosen two points on the line that have a rise of 15, what is the run?
Find the correct ans	swer.
35	Which of the following statements is true?
	A. If two figures are similar, then they are congruent.
	B. If two figures are congruent, then they are similar.
	C. If two figures are similar, then their corresponding sides have the same length.