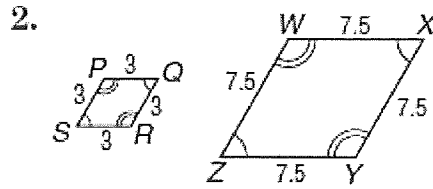
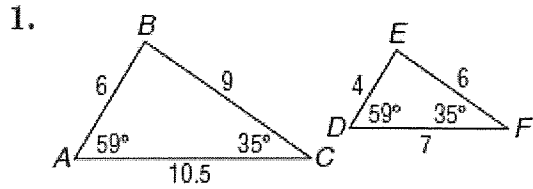


Name: _____

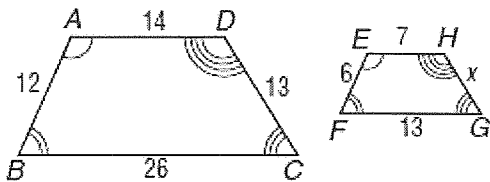
7.1 and 7.2 Homework

Determine whether each pair of figures is similar. Justify your answer.



- A. Write the similarity statement.
- B. Find the scale factor.
- C. Find x .
- D. Find the measure of the indicated side

3. \overline{GH}



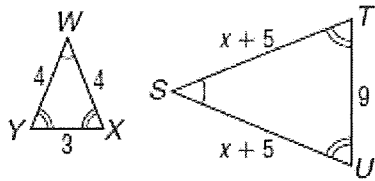
A. Quad ABCD _____

B. _____

C. _____

D. GH= _____

4. \overline{ST} and \overline{SU}



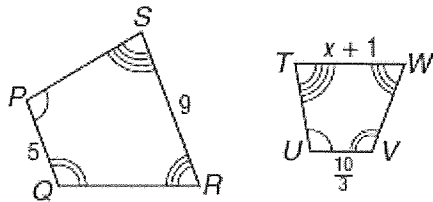
A. $\triangle WXY \sim$ _____

B. _____

C. _____

D. $ST =$ _____ $SU =$ _____

5. \overline{WT}



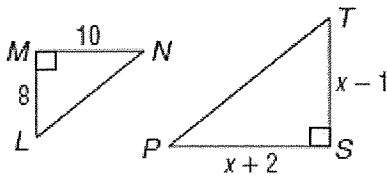
A. Quad PQRS \sim _____

B. _____

C. _____

D. $WT =$ _____

6. \overline{TS} and \overline{SP}



A. $\triangle LMN \sim$ _____

B. _____

C. _____

D. $TS =$ _____ $SP =$ _____

Similar Polygons - Individual Practice

All measurements are in centimeters.

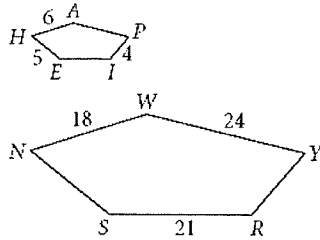
1. $HAPIE \sim NWYRS$

$AP = \underline{\hspace{2cm}}$

$EI = \underline{\hspace{2cm}}$

$SN = \underline{\hspace{2cm}}$

$YR = \underline{\hspace{2cm}}$



2. Find the measurements.

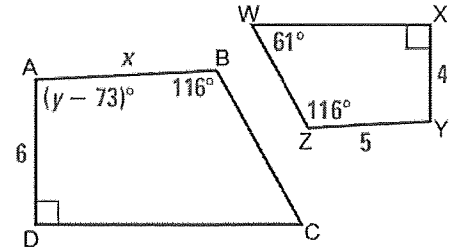
$ABCD \sim YZWX$

$AB = \underline{\hspace{2cm}}$

$Y = \underline{\hspace{2cm}}$

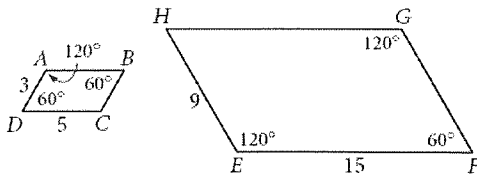
$\angle A = \underline{\hspace{2cm}}$

$\angle C = \underline{\hspace{2cm}}$

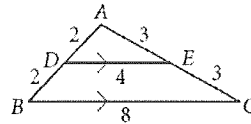


In Exercises 3-6, decide whether or not the figures are similar. Explain why or why not.

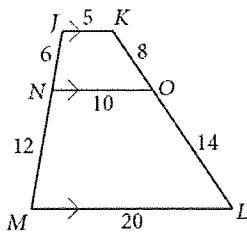
3. $ABCD$ and $EFGH$



4. $\triangle ABC$ and $\triangle ADE$



5. $JKON$ and $JKLM$



6. $ABCD$ and $AEFG$

