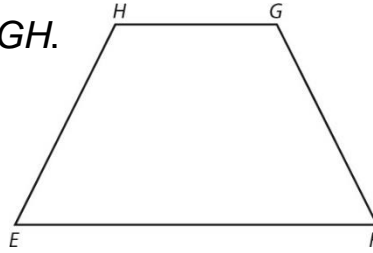
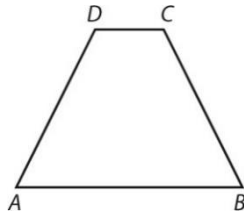


Trapezoid $ABCD$ is similar to trapezoid $EFGH$.
Complete the following statements.

1. see answer column

2. see answer column
Use each side only once



1. $\angle B \cong$ _____

2. $\frac{AB}{EF} = \frac{\square}{GH} = \frac{BC}{\square} = \frac{\square}{\square}$

3. $\triangle RST \sim \triangle WXY$. (include a sketch and show work)

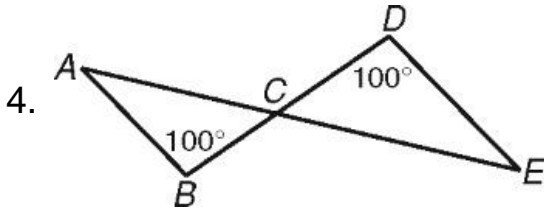
$RS = 2$, $WX = 5$, $ST = x + 1$, and $XY = 3x - 1$.

Find ST and XY .

3. $ST =$ _____

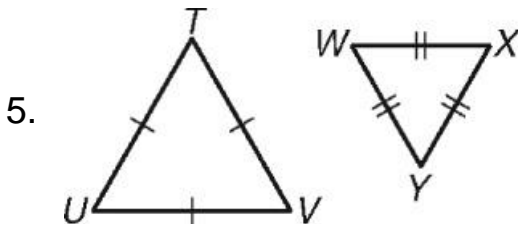
$XY =$ _____

For Problems 4 and 5, explain why the triangles are similar ($AA \sim$, $SSS \sim$, or $SAS \sim$) and write a similarity statement.



4. _____

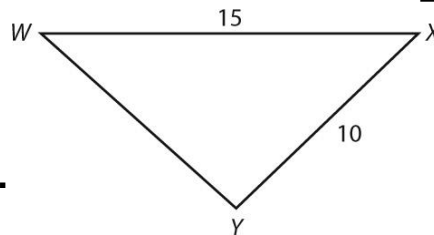
Δ _____ \sim Δ _____



5. _____

Δ _____ \sim Δ _____

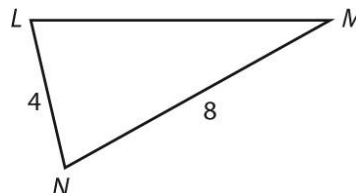
$\triangle WXY \sim \triangle LMN$ Find the missing measures in the figure. Show work.



6. $WY =$ _____

6. $WY =$ _____

7. $LM =$ _____



7. $LM =$ _____