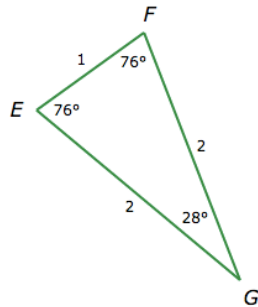
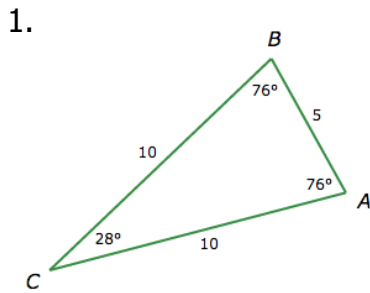
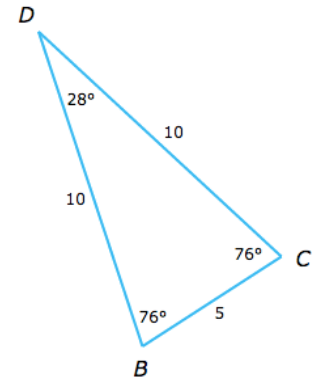
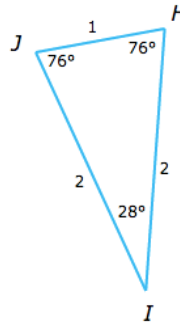


The figures below are similar. For each pair find the following:

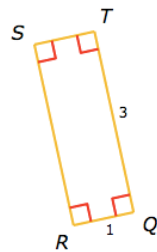
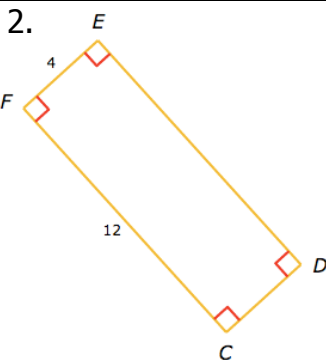
- State all of the corresponding angles and ratio of sides.
(All ZF'S need to be written as a *proper fraction, improper fraction, or whole number – NO DECIMALS*).
- Determine the Zoom Factor
- Complete the similarity statement.



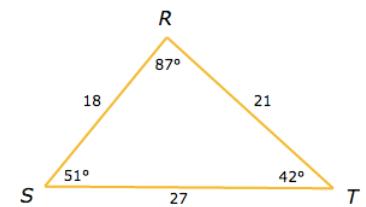
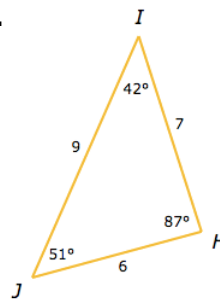
2.



<p>a. $m\angle A = m\angle \underline{\hspace{1cm}}$ $\frac{\overline{AB}}{\overline{EF}} = \frac{5}{1} = 5$ $m\angle B = \underline{\hspace{1cm}}$ $\frac{\overline{BC}}{\overline{EG}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $m\angle C = \underline{\hspace{1cm}}$ $\frac{\overline{AC}}{\overline{EG}} = \underline{\hspace{1cm}}$</p>		<p>b. $m\angle H = m\angle \underline{\hspace{1cm}}$ $\frac{\overline{JH}}{\overline{BC}} = \underline{\hspace{1cm}}$ $m\angle \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\frac{\overline{JI}}{\overline{CD}} = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ $\frac{\overline{HI}}{\overline{BD}} = \underline{\hspace{1cm}}$</p>	
c. Zoom Factor:	c. $\Delta ABC \sim \Delta \underline{\hspace{1cm}}$	d. Zoom Factor:	c. $\Delta HIJ \sim \Delta \underline{\hspace{1cm}}$



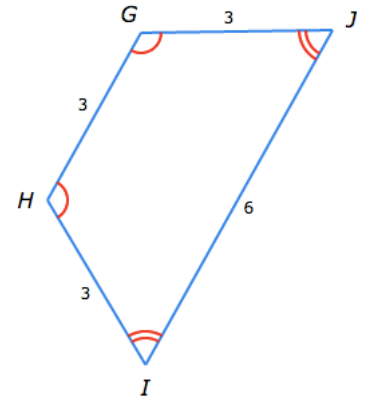
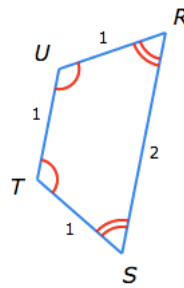
4.



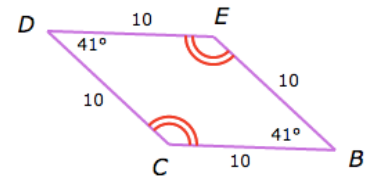
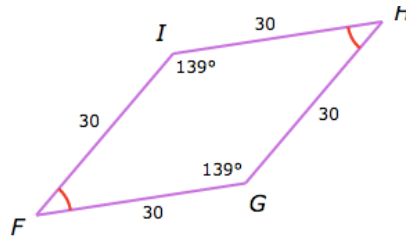
a.		a.	
b. Zoom Factor:	c. $EFCD \sim \underline{\hspace{1cm}}$	c. Zoom Factor:	c. $\Delta HIJ \sim \Delta \underline{\hspace{1cm}}$

The following figures are similar. Find the zoom factor and give the similarity statement if possible. If it isn't possible, state why. (Hint: There are 360 degrees in a quadrilateral.)

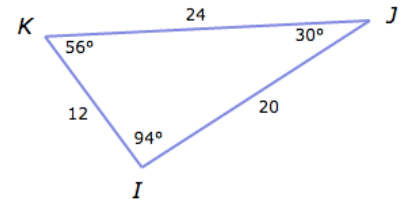
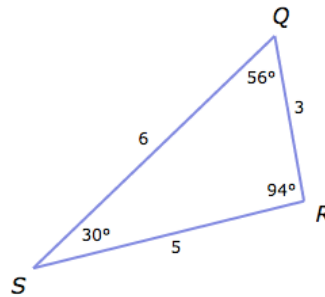
5. ZF= $RSTU \sim$ _____



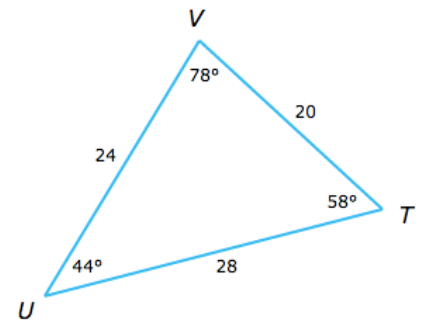
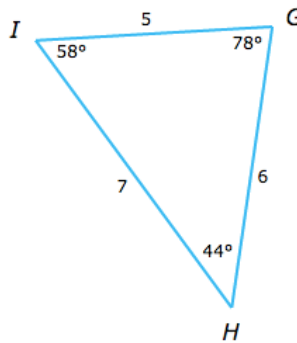
6. ZF= $FGHI \sim$ _____



7. ZF= $\Delta QRS \sim$ _____



8. ZF= $\Delta GHI \sim$ _____



9. Determine if the triangles are similar. If yes, state all six relationships, then a similarity statement. If no, state why.

