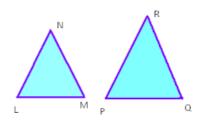
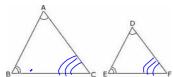


Unit 10 Day 3
Triangle Silmilarity



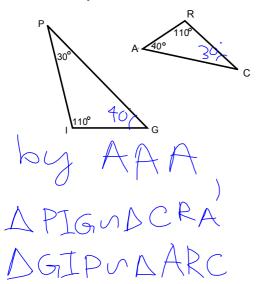
Name		period	
I Can_	Identify	$\searrow \bigcirc$	by
Po	Stulates	\$ Theo!	rem S



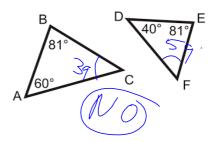
Angle-Angle Similarity Postulate (AA \sim)

If two angles of one triangle are congruent to two angles of another triangle, then the two triangles are similar.

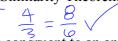
Are the two triangles similar? If they are write the similarity statement.

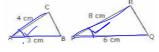


Are the two triangles similar? If they are write the similarity statement.

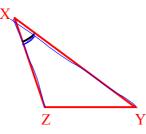


Side-Angle-Side (SAS) Similarity Theorem



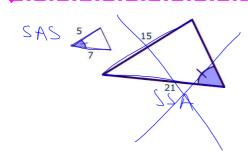


If an angle of one triangle is congruent to an angle of a second triangle and the lengths of the sides including these angles are proportional, then the triangles are similar.

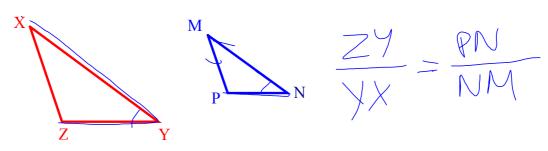


If $\angle X \cong \angle M$ and $\frac{ZX}{PM} = \frac{XY}{MN}$

, then $\Delta XYZ \sim \Delta MNP$

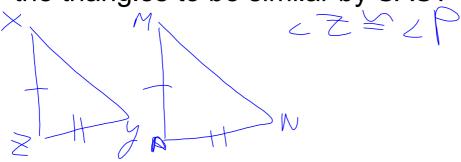


This is not an example of SAS Similarity. Why not?

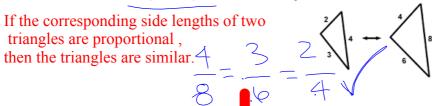


If angle Y is to angle N, which 2 sides need to be proportionate for the triangles to be similar by SAS?

If $\frac{XZ}{MP} = \frac{ZY}{PN}$, which 2 angles need to be the triangles to be similar by SAS?

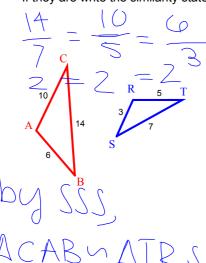


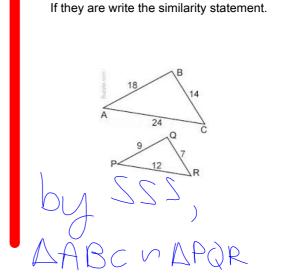
Side-Side (SSS) Similarity Theorem



Are the two triangles similar?

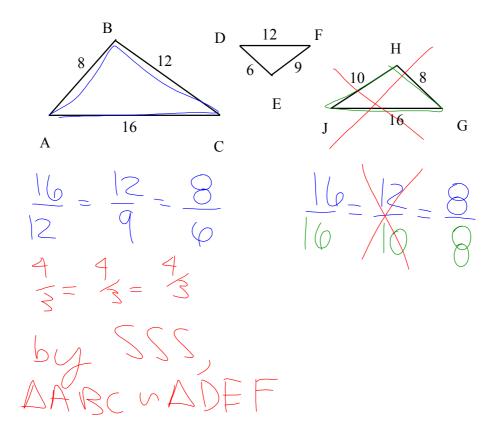
If they are write the similarity statement.



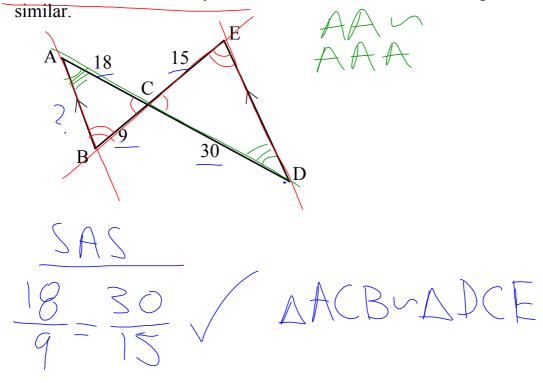


Are the two triangles similar?

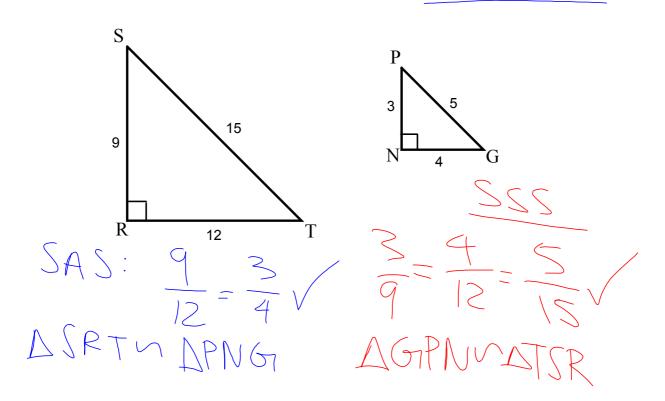
Which triangle is similar to∆ABC?



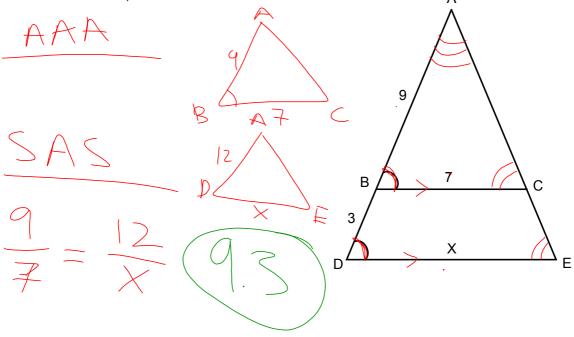
Tell 2 different methods you would use to show that the triangles are



Tell what method you would use to show that the triangles are similar.



Is there enough information to find the value of x? If so , find the value of x.



Name and draw and example of the three Triangular Similarity Theorems?

