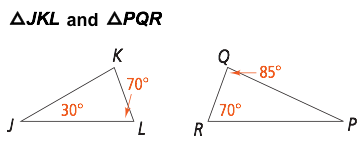
**Objective:**

**Do Now: a. What must be true for two figures to be similar?**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

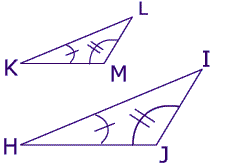
**b. Using the figures at the right, determine**



**i. the measure of ∠K\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ii. the measure of ∠P\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

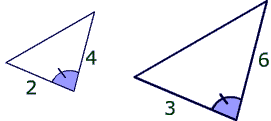
1. **Are JKL and PQR congruent?**



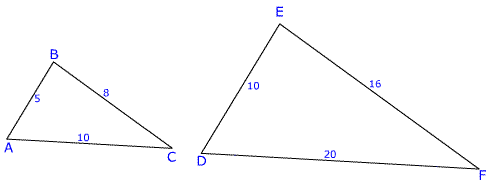
**Similarity** **Postulates:**

AA Postulate

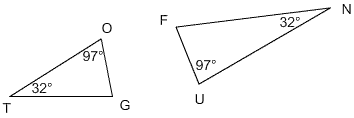
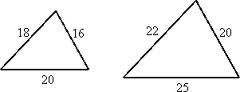
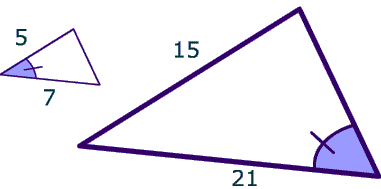
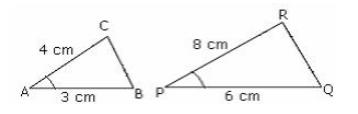
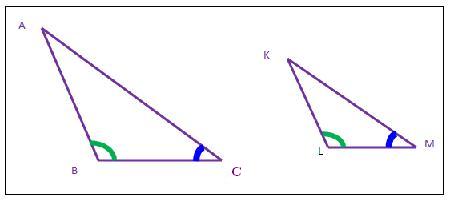
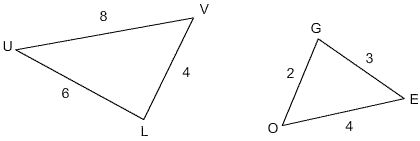
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SAS Similarity Postulate

SSS Similarity Postulate



|  |  |
| --- | --- |
|  |  |

[](http://www.google.com/imgres?sa=X&biw=1270&bih=572&tbm=isch&tbnid=oSQd8vkyvXz5mM:&imgrefurl=http://ceemrr.com/Geometry1/SSSandSASsimilarity/SSSandSASsimilarity_print.html&docid=b1u7jWAImNwtAM&imgurl=http://ceemrr.com/Geometry1/SSSandSASsimilarity/paste_image33.gif&w=301&h=115&ei=aITzUoDTCcSTkQeT7YDYDA&zoom=1&iact=rc&dur=277&page=2&start=8&ndsp=14&ved=0CIABEK0DMA4)Find the scale factor from the larger to the smaller and the smaller to the larger. Then determine which postulate makes the figures similar. Finally, write a similarity statement.

4. Scale Factor Small to Large:

Scale Factor Large to Small:

Postulate:

Similarity Statement:

2. Scale Factor Small to Large:

Scale Factor Large to Small:

Postulate:

Similarity Statement:

6. Scale Factor Small to Large:

Scale Factor Large to Small:

Postulate:

Similarity Statement:

5. Scale Factor Small to Large:

Scale Factor Large to Small:

Postulate:

Similarity Statement:

3. Scale Factor Small to Large:

Scale Factor Large to Small:

Postulate:

Similarity Statement:

1. Scale Factor Small to Large:

Scale Factor Large to Small:

Postulate:

Similarity Statement: