

# Geometry

## 8.3 Proving Triangle Similarity by SSS and SAS

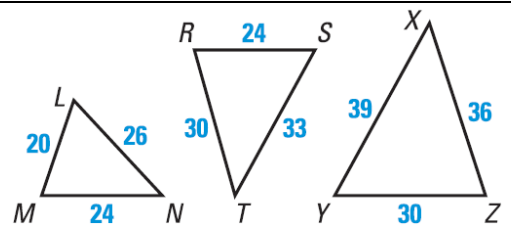
### SSS Similarity

If the \_\_\_\_\_ of the corresponding \_\_\_\_\_ of two triangles are \_\_\_\_\_, then the triangles are \_\_\_\_\_.

### SAS Similarity

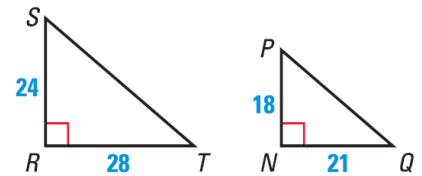
If the \_\_\_\_\_ of two \_\_\_\_\_ of a triangle are \_\_\_\_\_ to the measures of two corresponding \_\_\_\_\_ of another triangle and the \_\_\_\_\_ angles are \_\_\_\_\_, then the triangles are \_\_\_\_\_.

Which of the three triangles are similar?

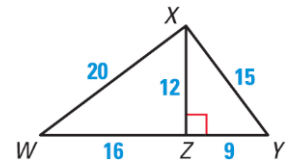


Explain how to show that the indicated triangles are similar.

$\triangle SRT \sim \triangle PNQ$



$\triangle XZW \sim \triangle YZX$



Assignment: 425 #2, 4, 6, 8, 9, 10, 11, 12, 14, 16, 17, 20, 24, 25, 32, 33, 35, 38, 41, 42 = 20 total