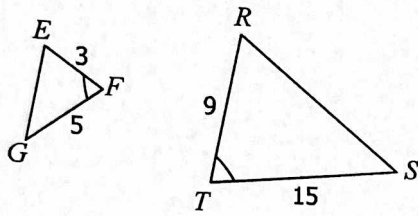


# 8.2,8.3 ASSIGNMENT

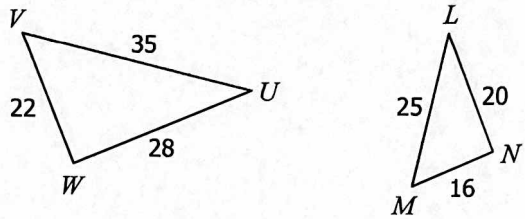
## ARE WE SIMILAR ?

**Directions:** Determine whether the triangles are similar. If similar, state how (AA~, SSS~, or SAS~), and write a similarity statement. (SHOW YOUR WORK!)

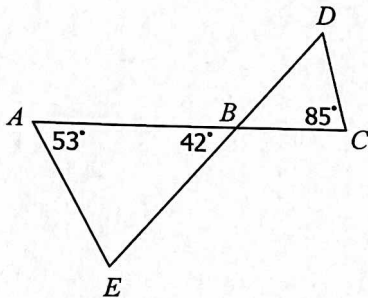
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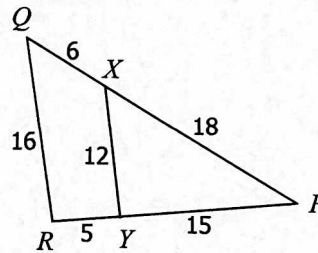
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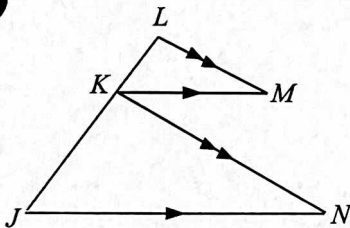
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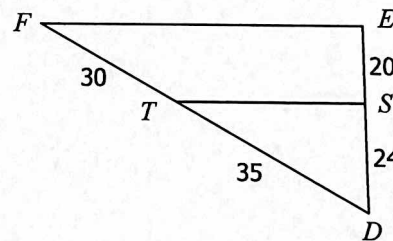
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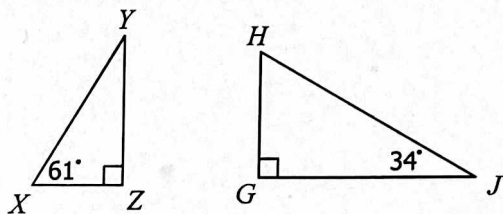
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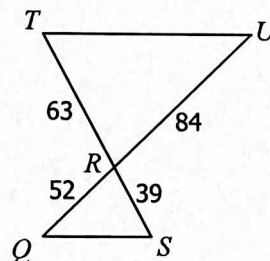
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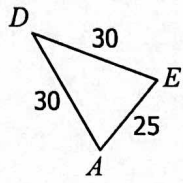
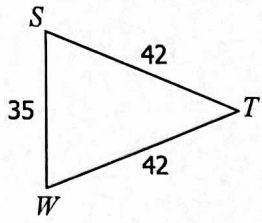
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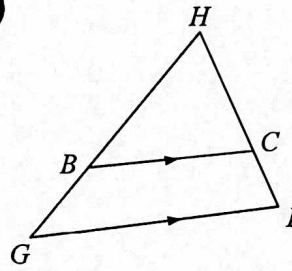
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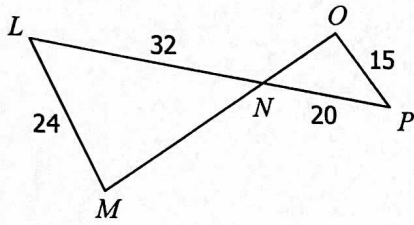
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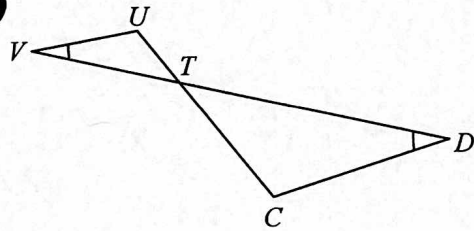
10



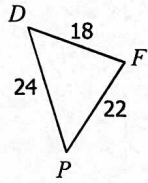
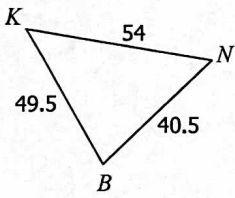
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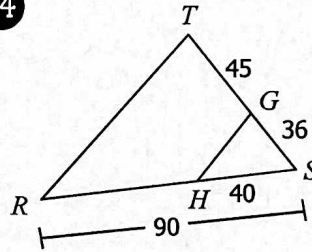
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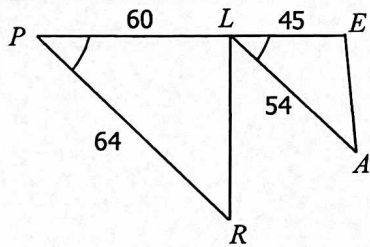
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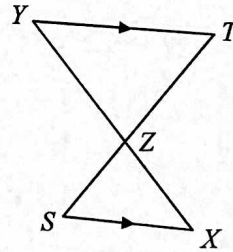
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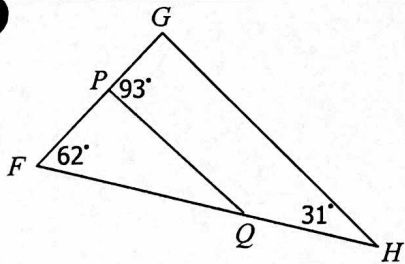
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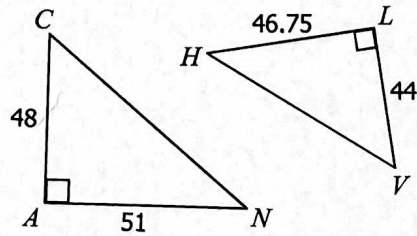
16



17



18

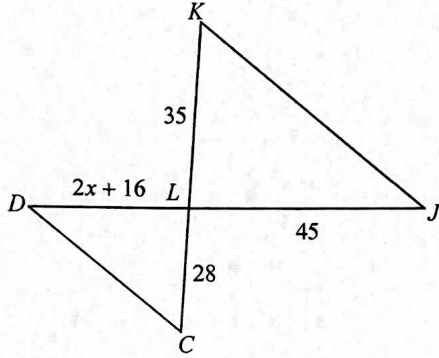


Geometry

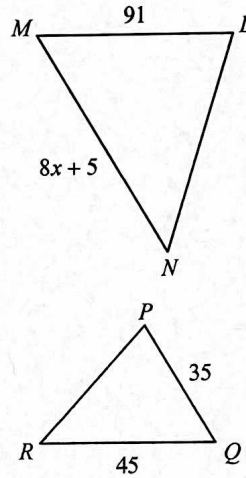
(more algebra similar triangles practice - finding missing sides)

Solve for  $x$ . The triangles in each pair are similar. (Hint - Use the similarity statement to redraw the triangles)

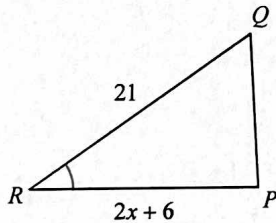
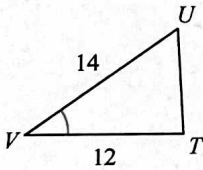
19)  $\triangle LKJ \sim \triangle LCD$



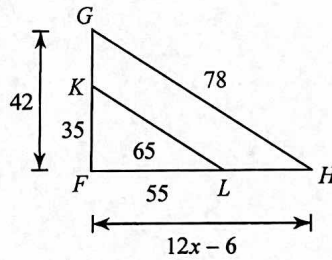
20)  $\triangle LMN \sim \triangle PQR$



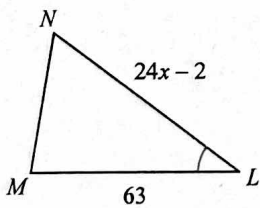
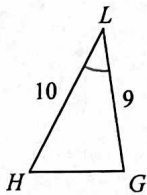
21)  $\triangle RQP \sim \triangle VUT$



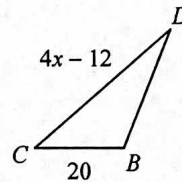
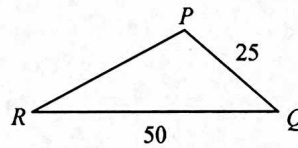
22)



23)  $\triangle LMN \sim \triangle LGH$



24)  $\triangle PQR \sim \triangle BCD$



25)

