

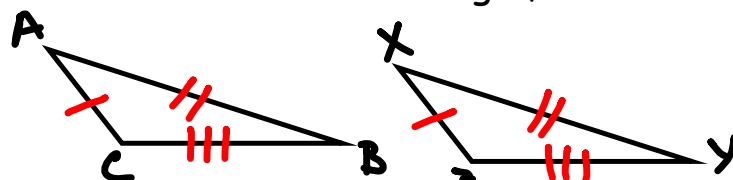
## 5.2 Proving Triangles are Congruent: SSS and SAS

Objective: Show triangles are congruent using SSS and SAS.

Side-Side-Side Congruence Postulate (SSS): If three sides of one triangle are congruent to three sides of a second triangle, then the two triangles are congruent.

$$\triangle CAB \cong \triangle ZXY$$

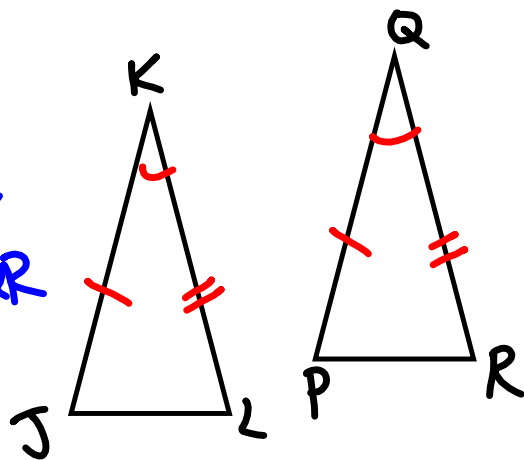
SSS



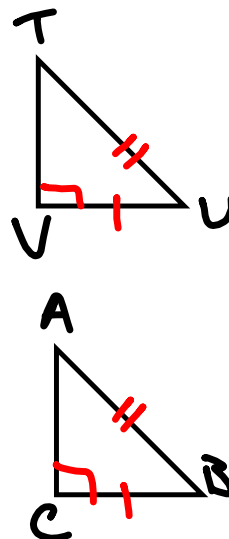
Side-Angle-Side Congruence Postulate (SAS): If two sides and the included angle of one triangle are congruent to two sides and the included angle of a second triangle, then the two triangles are congruent.

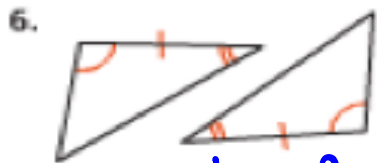
$$\triangle JKL \cong \triangle PQR$$

SAS

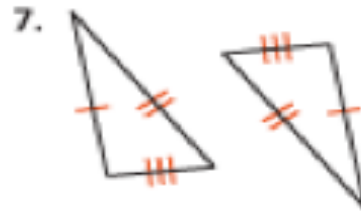


not  
SAS

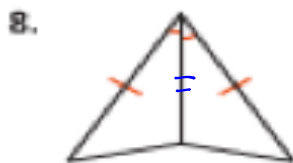




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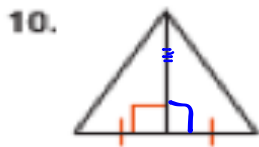
SSS



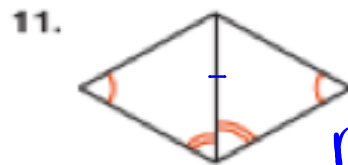
SAS



not enough info.



SAS



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Name

5.2

pg. 245-248 # 2-32 even

Notes 5.3

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