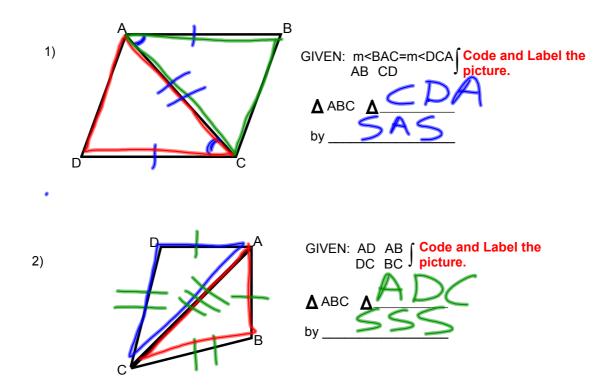
## D.I.R.T.

Are the following triangles congruent? If so, state the **CONGRUENCE**. Then state the **REASON**.

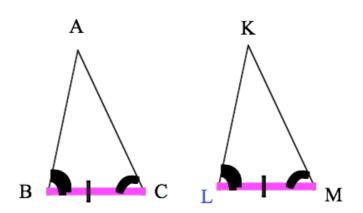


## 4.3 Triangle Congruence by ASA and AAS

Objective: To prove two triangles congruent using the ASA Postulate and the AAS Theorem

M.2.B.
Performance Standard 3.4, 3.5 DOK-1
Knowledge MA 3

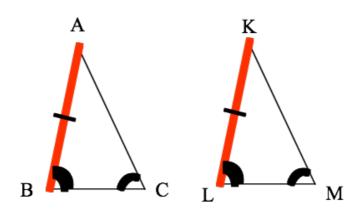
## CONGRUENT TRIANGLES by ASA



 $\triangle$ ABC  $\cong$   $\triangle$ KLM by ASA

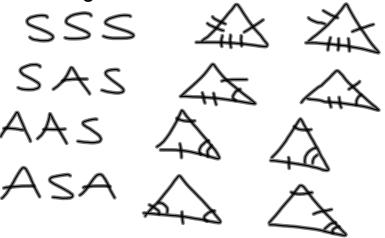
ASA- Angle-side-Angle Postulate-- If 2 angles and one included side are congruent to 2 angles and one included side of another triangle, then the triangles are congruent.

## CONGRUENT TRIANGLES by AAS

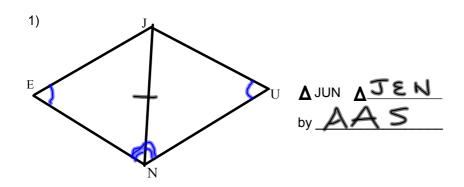


▲ABC ▲KLM by AAS

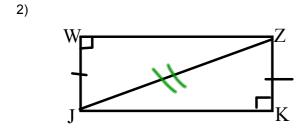
AAS- Angle-Angle-Side Postulate-- If 2 angles and a nonincluded side of one triangle are congruent to 2 angles and a nonincluded side of another triangle, then the triangles are congruent.



Are the triangles congruent? Justify. If they are, then write a congruence statement.

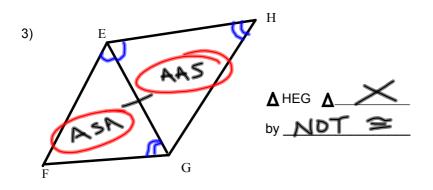


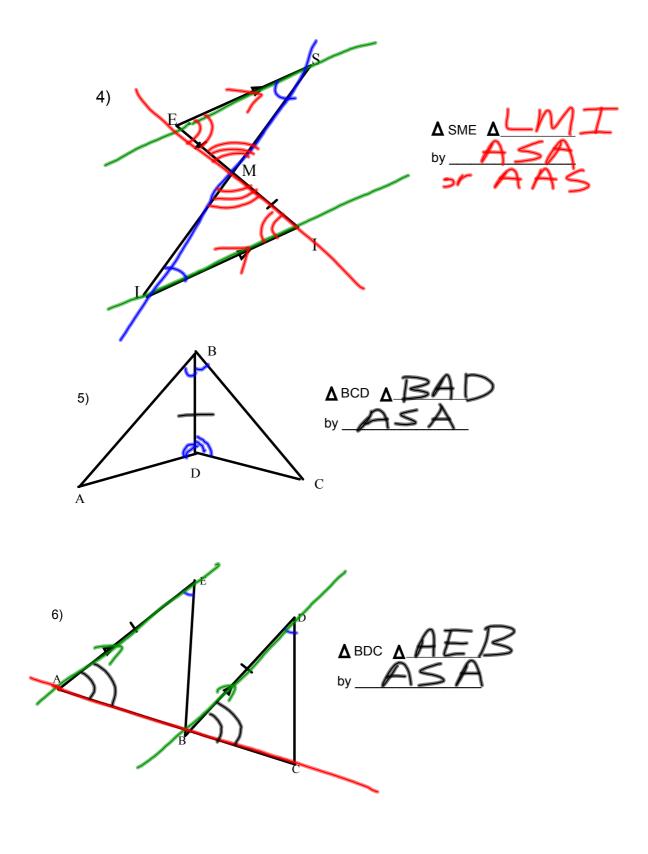
SSS ASA SAS AAS



by NOT congruent

(cannot spell
"bad word")





Code each picture. Determine why the triangles are congruent.

