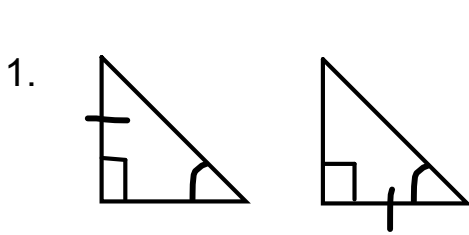
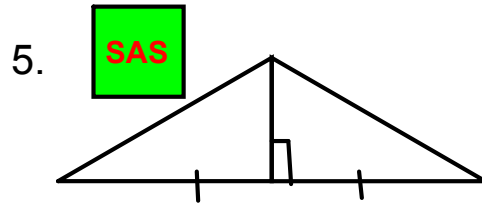
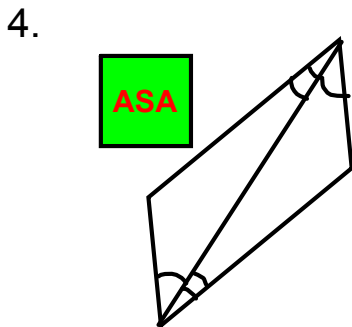
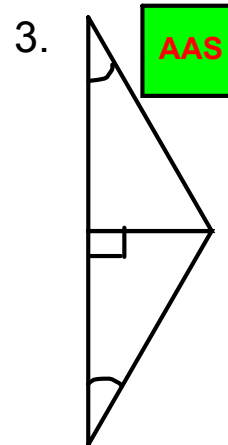
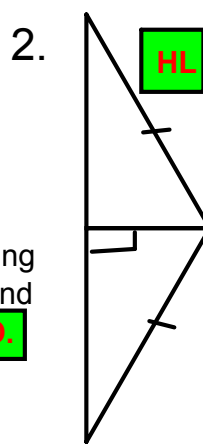


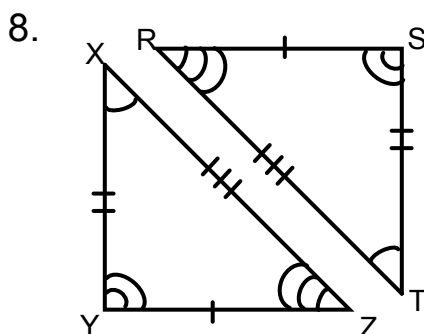
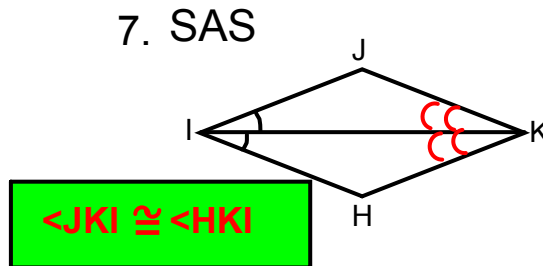
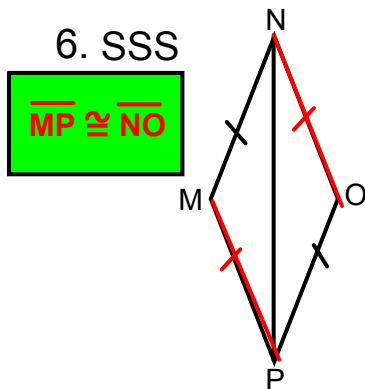
Decide if the triangles are congruent with what is given. Give the theorem to justify the triangles congruent. (SSS, SAS, ASA, AAS, HL or N for not congruent.



These triangles don't have corresponding parts congruent. the first one is AAS and the second is ASA. **The answer is NO.**



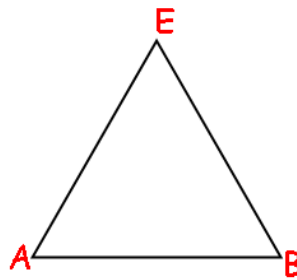
Tell what else you need to know to show the triangles are congruent by the theorem given.



$\triangle SRT \cong$      ?  
 **$\triangle YZX$**

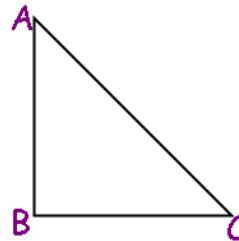
9. Is side  $\overline{AB}$  included or not included between  $\angle A$  and  $\angle E$ ?

**Not included**



10. Name the included angle between side  $\overline{AB}$  and  $\overline{AE}$ .

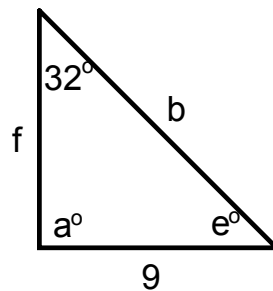
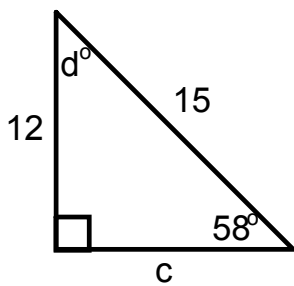
**$\angle A$**



11. Is  $\overline{AB}$  the hypotenuse or the leg of the right triangle?

**Leg**

12. The two triangles are congruent. Find the missing side lengths and missing angle measures.



a = **90°**  
 b = **15**  
 c = **9**

d = **32°**  
 e = **58°**  
 f = **12**

