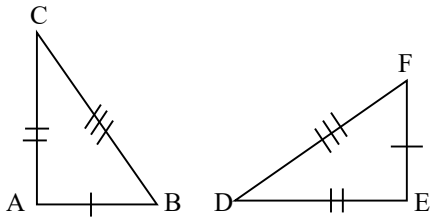


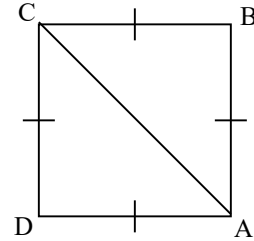
Triangle Congruence Worksheet #1

For each pair of triangles, tell which postulates, **if any**, make the triangles congruent.

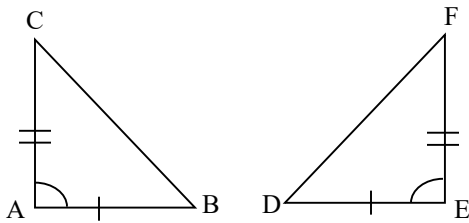
1. $\triangle ABC \cong \triangle EFD$ _____



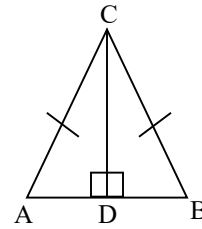
2. $\triangle ABC \cong \triangle CDA$ _____



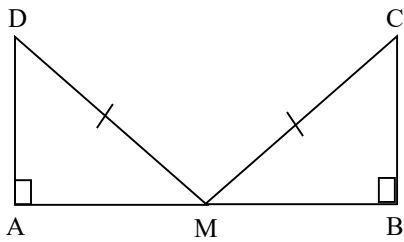
3. $\triangle ABC \cong \triangle EDF$ _____



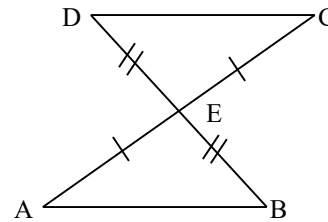
4. $\triangle ADC \cong \triangle BDC$ _____



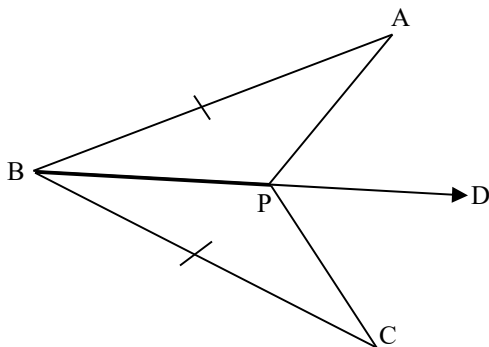
5. $\triangle MAD \cong \triangle MBC$ _____



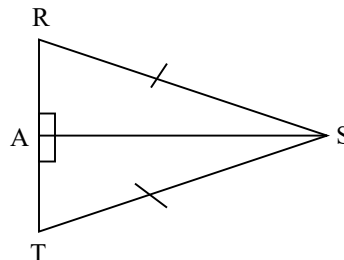
6. $\triangle ABE \cong \triangle CDE$ _____



7. $\triangle BAP \cong \triangle BCP$ _____
Given: \overline{BD} bisects $\angle ABC$



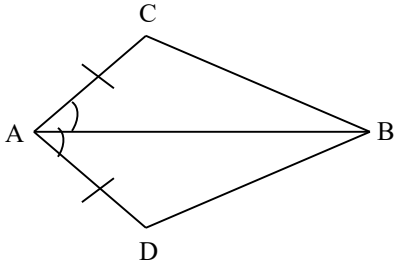
8. $\triangle SAT \cong \triangle SAR$ _____



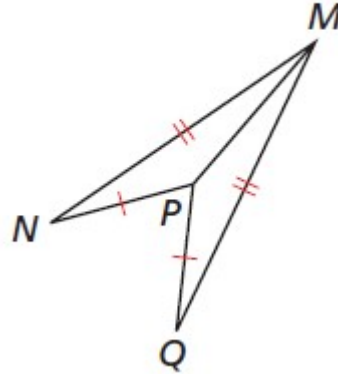
Triangle Congruence Worksheet #2

For each pair of triangles, Determine the congruent triangles and tell which postulates, **if any**, make the triangles congruent.

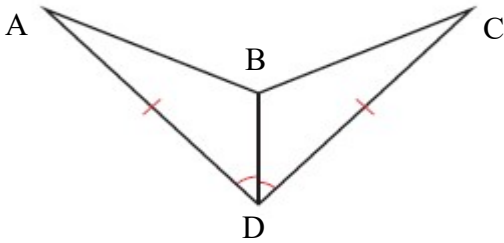
1. $\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$



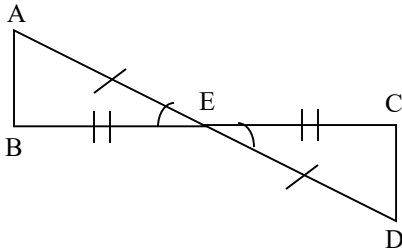
2. $\triangle MNP \cong \triangle MQP$ $\underline{\hspace{2cm}}$



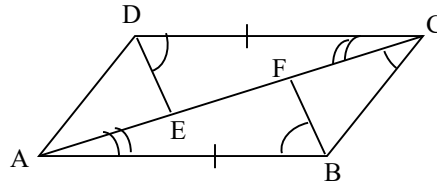
3. $\underline{\hspace{1cm}} \cong \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$



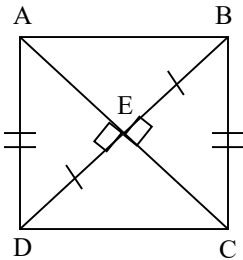
4. $\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$



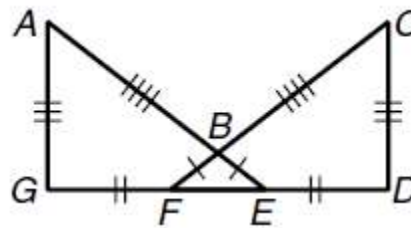
5. $\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$



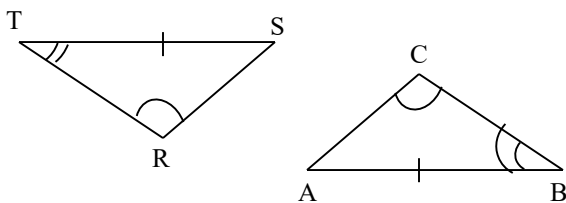
6. $\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$



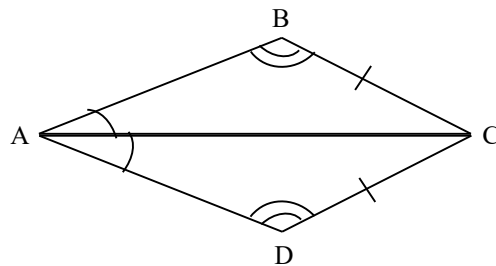
7. $\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$



8. $\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$

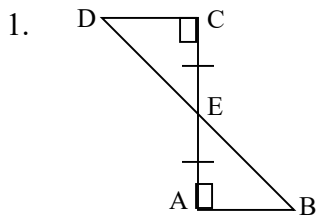


9. $\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$ because $\underline{\hspace{2cm}}$



Triangle Congruence Worksheet #3

II. For each pair of triangles, (a) Are they congruent? (b) If so, write the triangle congruency statement. (c) Give the postulate (SSS, SAS, ASA, AAS, HL) that makes them congruent. (d) List any additional information needed to prove them congruent (vertical angles, reflexive property, etc).

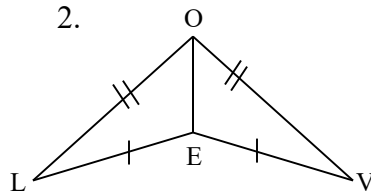


a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____



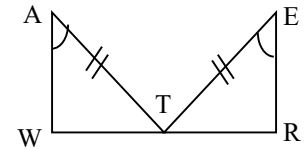
a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____

3. Given: T is the midpoint of \overline{WR}

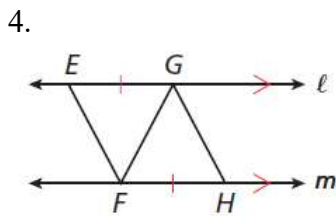


a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____



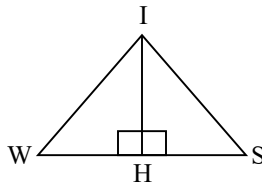
a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____

5. Given: \overrightarrow{IH} Bisects $\angle WIS$

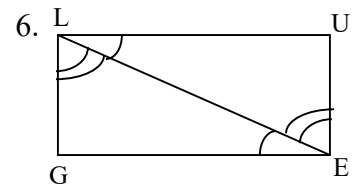


a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____

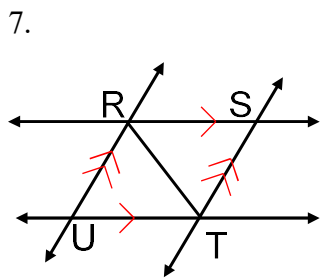


a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____

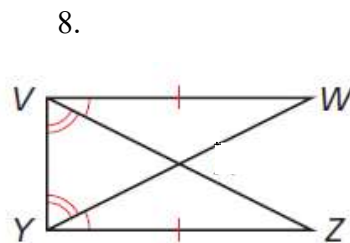


a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____

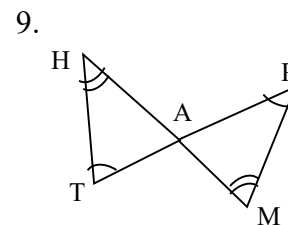


a. _____

b. Δ _____ \cong Δ _____

c. _____

d. _____



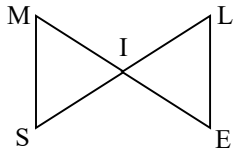
a. _____

b. Δ _____ \cong Δ _____

c. _____

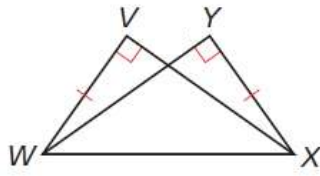
d. _____

10. Given: I is the midpoint
of \overline{ME} and \overline{SL}



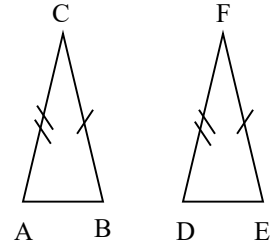
- a. _____
 b. Δ _____ \cong Δ _____
 c. _____
 d. _____

11.



- a. _____
 b. Δ _____ \cong Δ _____
 c. _____
 d. _____

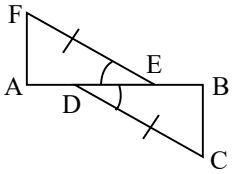
12.



- a. _____
 b. Δ _____ \cong Δ _____
 c. _____
 d. _____

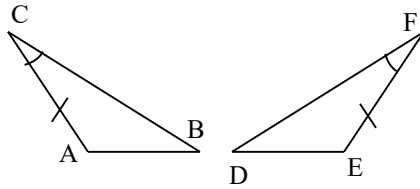
III. To prove the triangles congruent by the given congruency postulate, determine what additional piece of information would be needed.

1. SAS



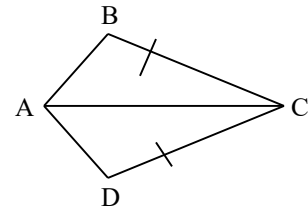
_____ \cong _____

2. ASA



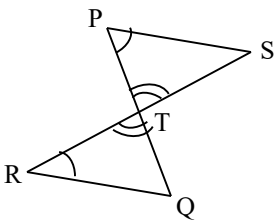
_____ \cong _____

3. SSS



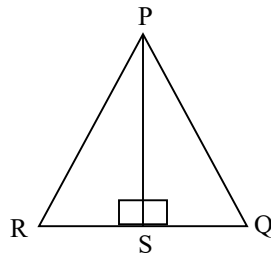
_____ \cong _____

4. AAS



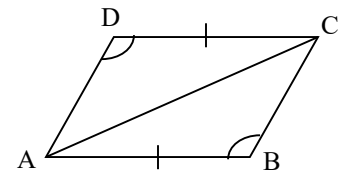
_____ \cong _____

5. HL



_____ \cong _____

6. ASA



_____ \cong _____