

Geometry Section 4-3 & 4-4 Practice Sheet

Period _____

Name: _____

For each triangle, name the included angle between the pair of sides given.

1. $\triangle MAT$: \overline{MT} and \overline{TA}

2. $\triangle CDA$: \overline{CA} and \overline{DC}

3. $\triangle PSC$: \overline{CS} and \overline{PS}

4. $\triangle WDG$: \overline{DG} and \overline{GW}

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

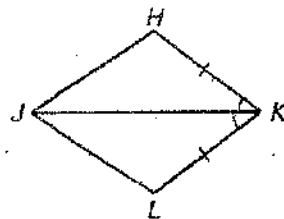
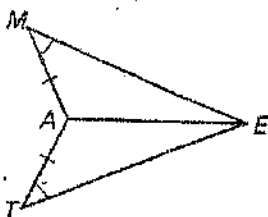
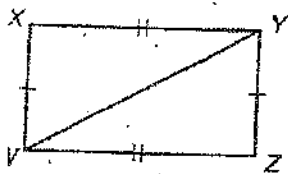
10. _____

Decide whether enough information is given to prove that the triangles are congruent. If there is enough information, state the congruence postulate you would use.

5. $\triangle XYW$, $\triangle ZWY$

6. $\triangle MAE$, $\triangle TAE$

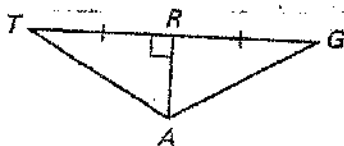
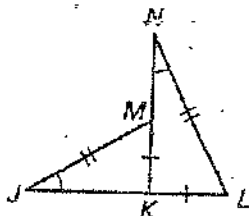
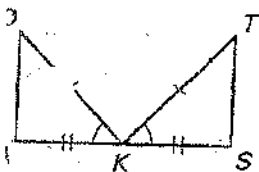
7. $\triangle KHJ$, $\triangle KLJ$



8. $\triangle DKA$, $\triangle TKS$

9. $\triangle JKM$, $\triangle NKL$

10. $\triangle TRA$, $\triangle GRA$

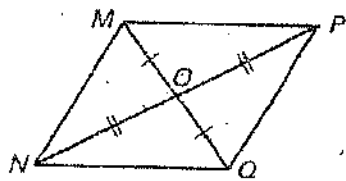


Complete the proof by supplying the statement or reason.

Given: O is the midpoint of \overline{MQ} .

O is the midpoint of \overline{NP} .

Prove: $\triangle MON \cong \triangle QOP$



Statements

Reasons

1. O is the midpoint of \overline{MQ} .

1. ?

2. ?

2. Definition of midpoint

3. ?

3. Given

4. ?

4. Definition of midpoint

5. $\angle MON \cong \angle QOP$

5. ?

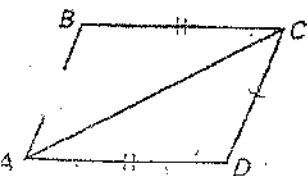
6. $\triangle MON \cong \triangle QOP$

6. ?

Write a paragraph proof.

Given: $\overline{AB} \cong \overline{CD}$, $\overline{BC} \cong \overline{DA}$

Prove: $\triangle ABC \cong \triangle CDA$



13. Write a two-column proof.

Given: $\overline{AD} \cong \overline{CB}$, $\overline{AD} \parallel \overline{CB}$

Prove: $\triangle ABD \cong \triangle CDB$

