

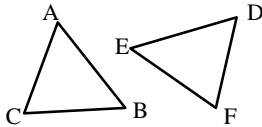
Geometry Handout 14.2A

Name _____
Period _____

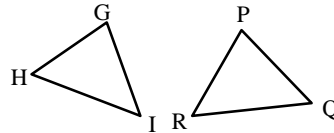
Congruence/Correspondence 2

Mark all six pair of congruent parts in each of the following pairs of congruent triangles. Then list them:

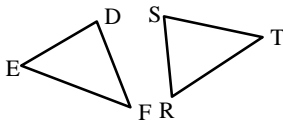
1. $\triangle BCA \cong \triangle FDE$.



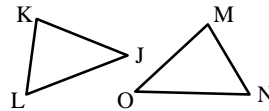
2. $\triangle GHI \cong \triangle QRP$.



3. $\triangle DFE \cong \triangle TRS$.



4. $\triangle NOM \cong \triangle LJK$.



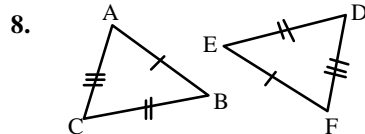
Suppose that $\triangle ABC \cong \triangle TRS$. Complete each of the following statements:

5. $\overline{AC} \cong$ _____

6. $\overline{SR} \cong$ _____

7. $\angle BAC \cong$ _____

Give SIX different congruence correspondences for the following pair of congruent triangles:



$\triangle ABC \cong$ _____

$\triangle ACB \cong$ _____

$\triangle BAC \cong$ _____

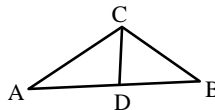
$\triangle BCA \cong$ _____

$\triangle CAB \cong$ _____

$\triangle CBA \cong$ _____

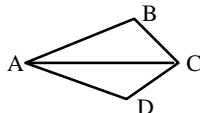
Mark each of the following diagrams with the given and inherent information, then answer each question:

9. D is the midpoint of \overline{AB}



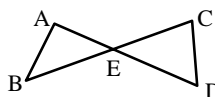
Which **two** pair of corresponding parts are congruent in $\triangle ACD$ & $\triangle BCD$?

10. \overline{AC} bisects $\angle BAD$



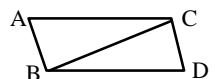
Which **two** pair of corresponding parts are congruent in $\triangle ABC$ & $\triangle ACD$?

11. E is the midpoint of \overline{AD}



Which **two** pair of corresponding parts are congruent in $\triangle ABE$ & $\triangle CDE$?

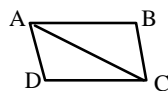
12. $\overline{AC} \parallel \overline{BD}$



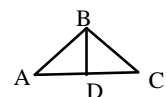
Which **two** pair of corresponding parts are congruent in $\triangle ABC$ & $\triangle DCB$?

Mark each of the following triangles with the given and inherent information:

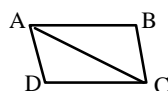
13. $\overline{AD} \cong \overline{CB}$ and
 $\angle ABC \cong \angle CDA$



14. $\overline{AB} \cong \overline{CB}$ and
 $\angle BAD \cong \angle BCD$



15. $\angle BAC \cong \angle DCA$ and
 $\angle BCA \cong \angle DAC$



16. $\angle BCA \cong \angle DCA$ and
 $\angle BAC \cong \angle DAC$

