

Sheet 5.1 Congruent Triangle Practice

Name _____ Bell _____

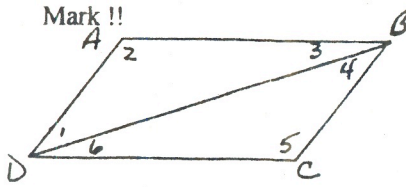
8. Given: $\overline{AB} \cong \overline{DC}$
 $\overline{AD} \cong \overline{BC}$

List congruent parts

Justifications

Post/Thm _____
 $\triangle CBD \cong \triangle$ _____

Mark !!



____ \cong ____
 ____ \cong ____
 ____ \cong ____

9. Given: $\overline{BE} \perp \overline{AD}$

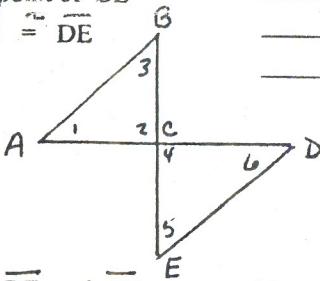
List congruent parts

Justifications

Post/Thm _____
 $\triangle ABC \cong \triangle$ _____

C is the midpoint of \overline{BE}
 $\overline{AB} \cong \overline{DE}$

Mark !!



____ \cong ____
 ____ \cong ____
 ____ \cong ____

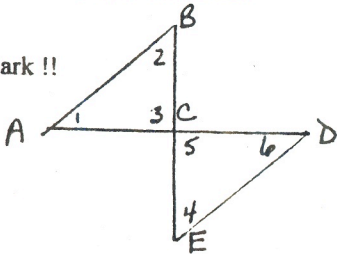
10. Given: \overline{BE} and \overline{AD}
 bisect each other

List congruent parts

Justifications

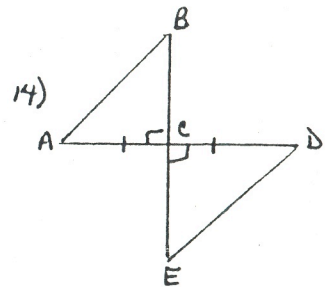
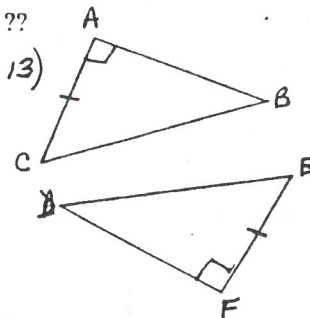
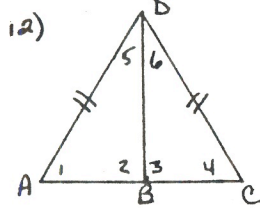
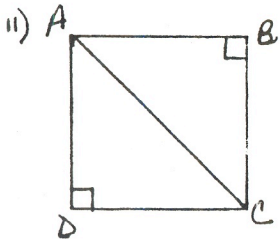
Post/Thm _____
 $\triangle DCE \cong \triangle$ _____

Mark !!

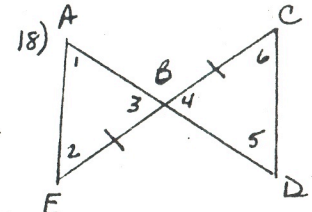
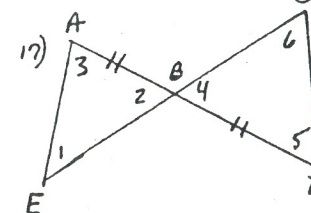
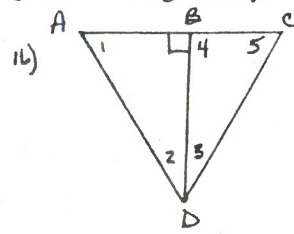
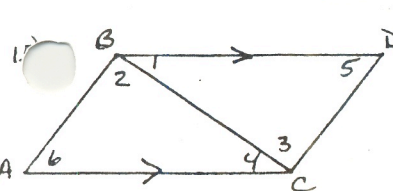


____ \cong ____
 ____ \cong ____
 ____ \cong ____

What else must be true for the triangles to be congruent by HL ??



What else must be true for the triangles to be congruent by ASA ??



What else must be true for the triangles to be congruent by AAS ??

