

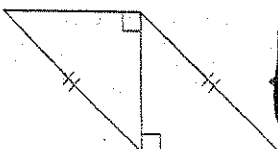
WS 4.4-4.5 Triangle Congruence Shortcuts

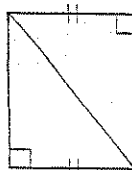
HL

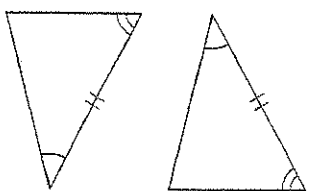
Date _____

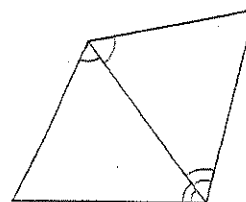
Period _____

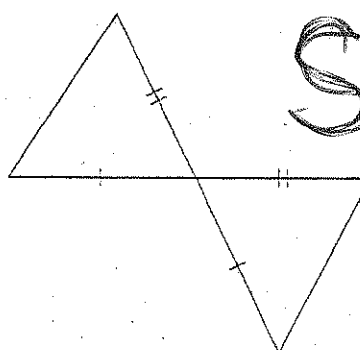
State if the two triangles are congruent. If they are, state how you know.

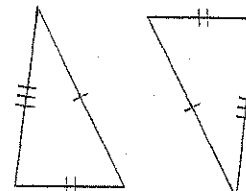
1)  HL

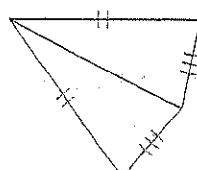
2)  HL

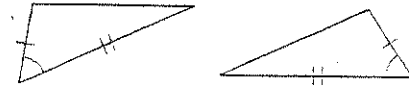
3)  ASA

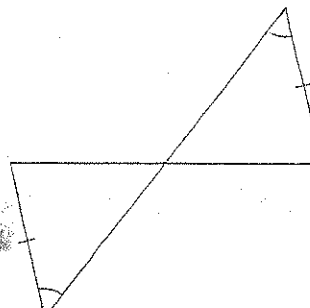
4)  ASA

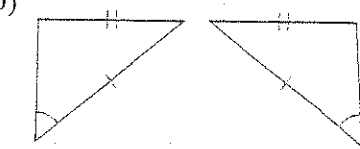
5)  SAS

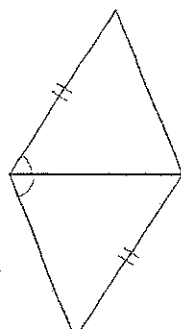
6)  SSS

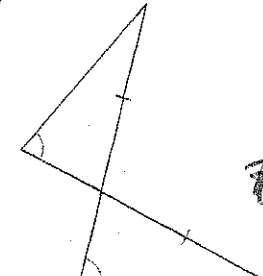
7)  SSS

8)  SAS

9)  AAS

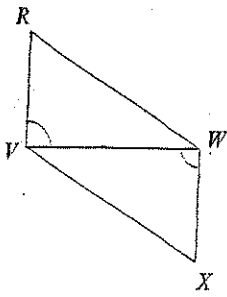
10)  ~~SSA~~
X

11)  SAS

12)  AAS

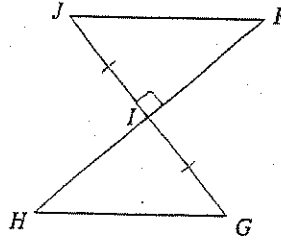
State what additional information is required in order to know that the triangles are congruent for the reason given.

13) ASA



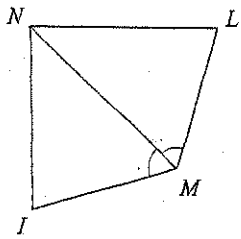
$\angle RWV \cong \angle XVW$
 \cong
 $\angle XVW$

14) HL



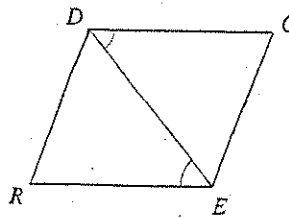
$\overline{JK} \cong \overline{HI}$
 \cong
 \overline{JK}

15) SAS



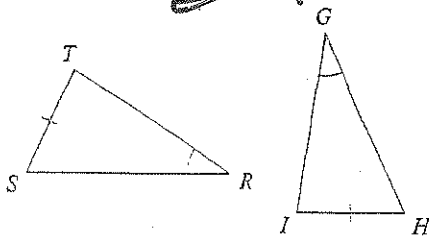
$\overline{NM} \cong \overline{LM}$
 \cong
 \overline{LM}

16) ASA



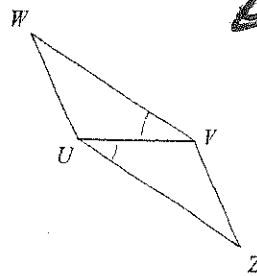
$\angle DEC \cong \angle RDE$
 \cong
 $\angle RDE$

17) AAS



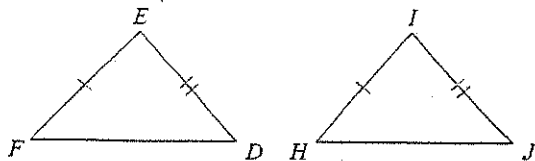
$\angle T \cong \angle I$
 \cong
 $\angle I$

18) AAS



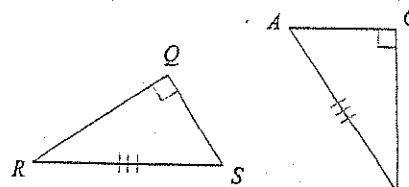
$\angle W \cong \angle Z$
 \cong
 $\angle Z$

19) SSS



$\overline{FD} \cong \overline{HJ}$
 \cong
 \overline{HJ}

20) HL



$\overline{QR} \cong \overline{AC}$ or
 $\overline{QR} \cong \overline{AC}$