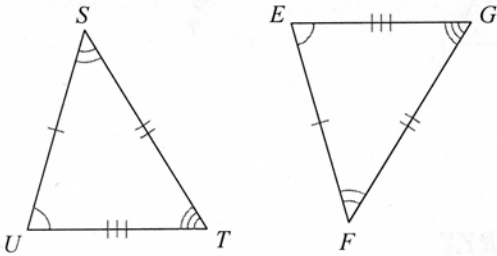


7-4 Congruence & Triangles (ver1)\_hw

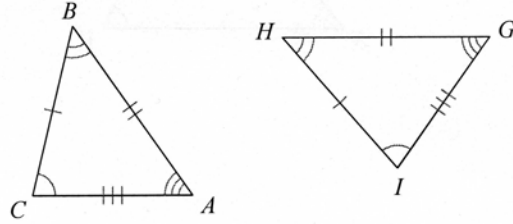
Complete each congruence statement by naming the corresponding angle or side.

1)  $\triangle UST \cong \triangle EFG$



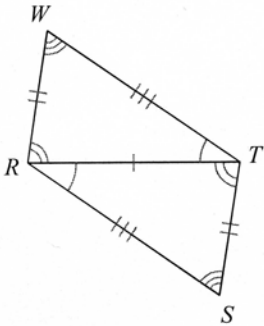
$\overline{US} \cong ?$

2)  $\triangle CBA \cong \triangle IHG$



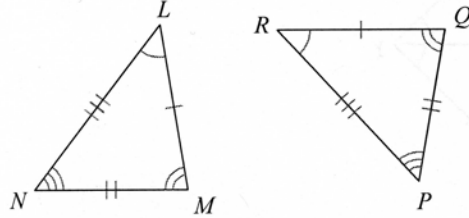
$\overline{CB} \cong ?$

3)  $\triangle RTS \cong \triangle TRW$



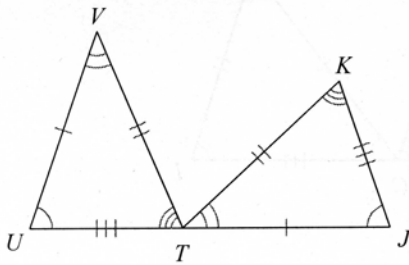
$\overline{RT} \cong ?$

4)  $\triangle LMN \cong \triangle RQP$



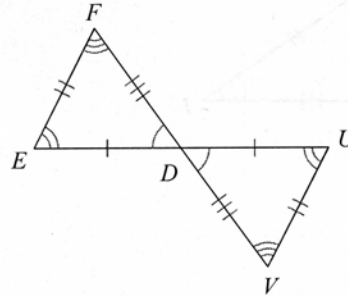
$\angle N \cong ?$

5)  $\triangle UVT \cong \triangle JTK$



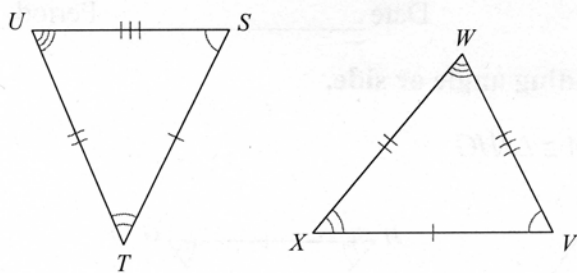
$\angle V \cong ?$

6)  $\triangle DEF \cong \triangle DUV$



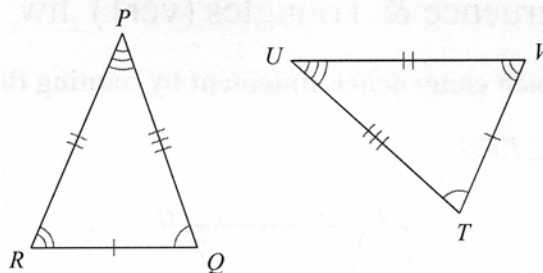
$\angle FDE \cong ?$

7)  $\triangle STU \cong \triangle VXW$



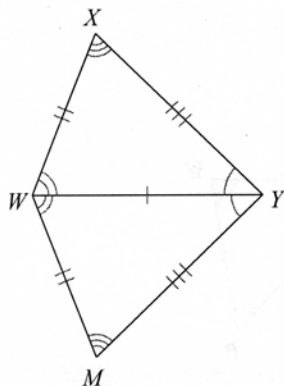
$\angle T \cong ?$

8)  $\triangle QRP \cong \triangle TVU$



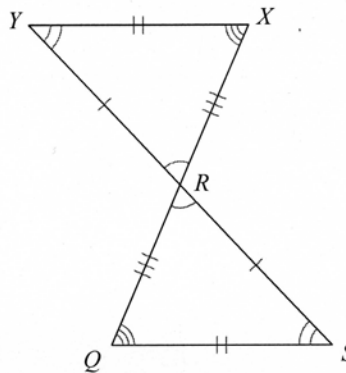
$\overline{RP} \cong ?$

9)  $\triangle YWX \cong \triangle YWM$



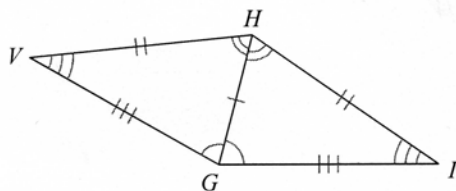
$\overline{WX} \cong ?$

10)  $\triangle RSQ \cong \triangle RYX$



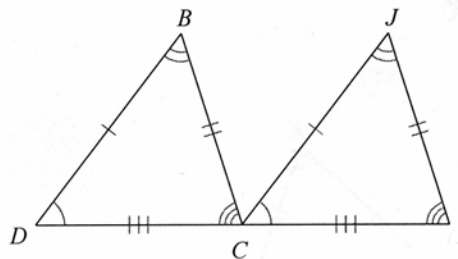
$\angle QRS \cong ?$

11)  $\triangle GHI \cong \triangle GHV$



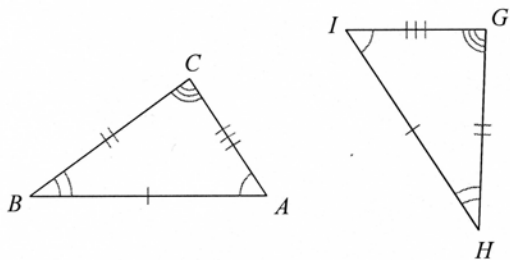
$\angle GHI \cong ?$

12)  $\triangle DBC \cong \triangle CJI$



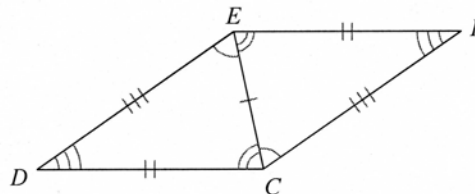
$\overline{CD} \cong ?$

13)  $\triangle ABC \cong \triangle IHG$



$\overline{BC} \cong ?$

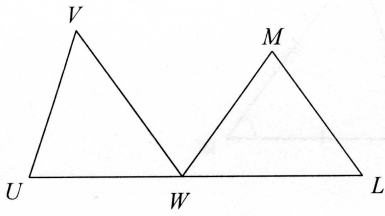
14)  $\triangle ECD \cong \triangle CEF$



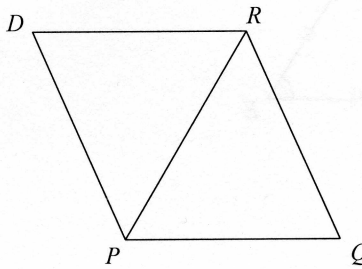
$\angle DEC \cong ?$

Mark the angles and sides of each pair of triangles to indicate that they are congruent.

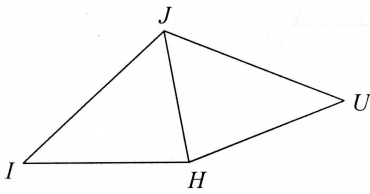
15)  $\triangle UVW \cong \triangle MLW$



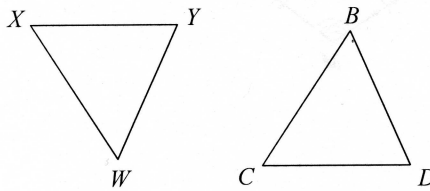
16)  $\triangle PRQ \cong \triangle RPD$



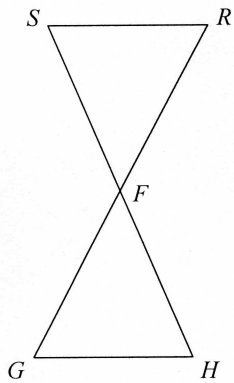
17)  $\triangle JHI \cong \triangle JHU$



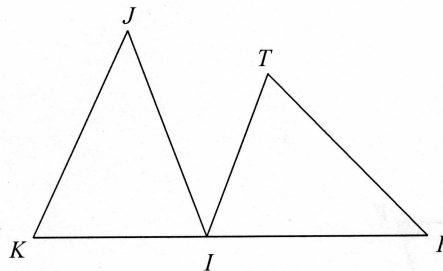
18)  $\triangle YWX \cong \triangle DCB$



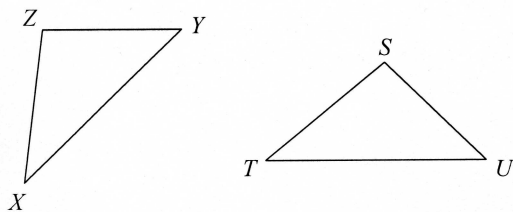
19)  $\triangle FHG \cong \triangle FSR$



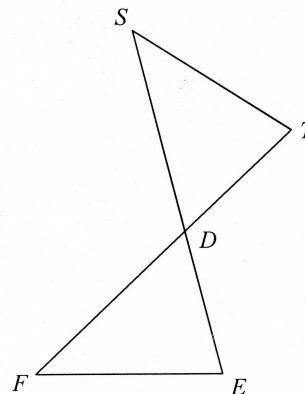
20)  $\triangle KJI \cong \triangle TRI$



21)  $\triangle YXZ \cong \triangle UTS$

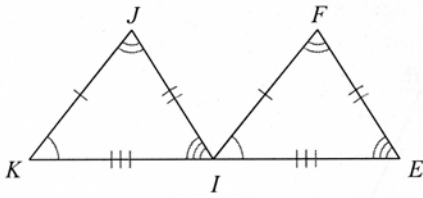


22)  $\triangle DEF \cong \triangle DTS$

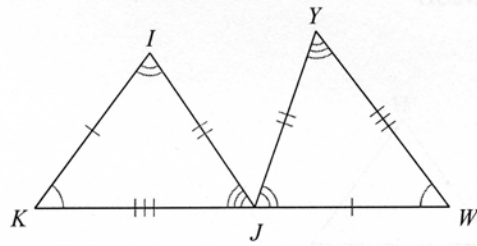


Write a statement that indicates that the triangles in each pair are congruent.

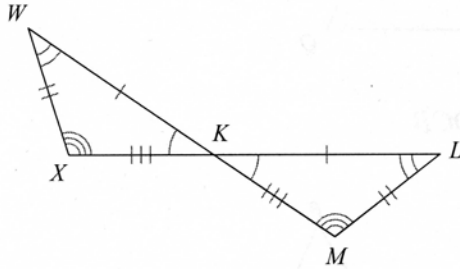
23)



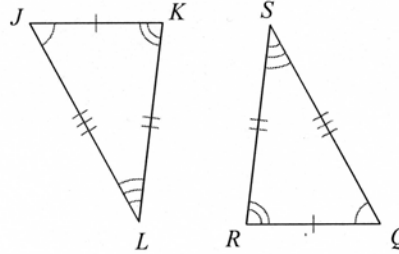
24)



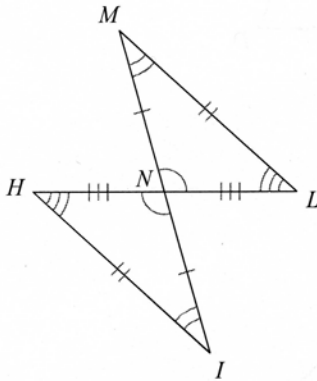
25)



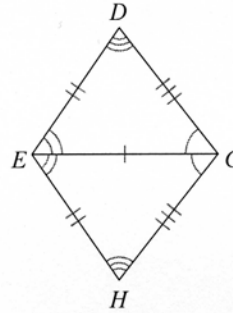
26)



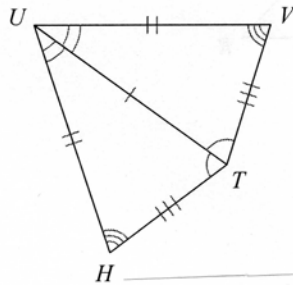
27)



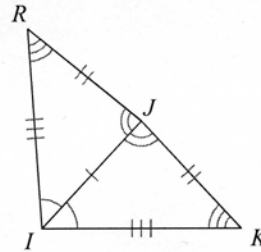
28)



29)



30)



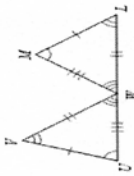
Answers to 7-4 Congruence & Triangles (vert.)\_hw

1)  $\overline{EF}$   
5)  $\angle JTK$   
9)  $\overline{HI}$   
13)  $\overline{HG}$

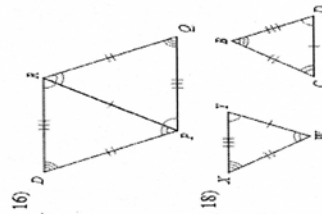
2)  $\overline{HE}$   
6)  $\angle TDU$   
10)  $\angle XRY$   
14)  $\angle FCE$

3)  $\overline{TR}$   
7)  $\angle X$   
11)  $\angle GHV$   
15)

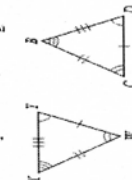
4)  $\angle P$   
8)  $\overline{PU}$   
12)  $\overline{IC}$



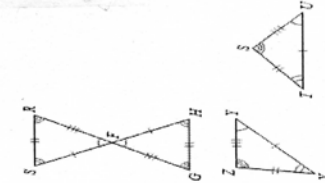
17)



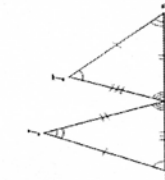
18)



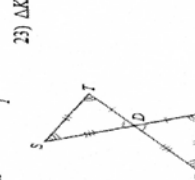
19)



20)



22)



23)  $\triangle KLT \cong \triangle JFE$

24)  $\triangle KUJ \cong \triangle NUT$

25)  $\triangle KLM \cong \triangle KTX$

26)  $\triangle KKL \cong \triangle QRS$   
30)  $\triangle JTK \cong \triangle IJR$

27)  $\triangle NML \cong \triangle NVH$

28)  $\triangle CED \cong \triangle CEH$

29)  $\triangle TUV \cong \triangle TUV$