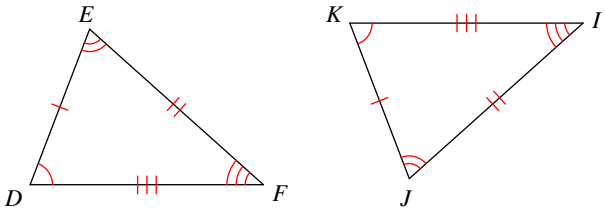
Congruence and Triangles

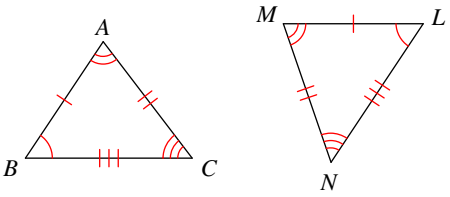
Complete each congruence statement by naming the corresponding angle or side.

1) $\Delta DEF \cong \Delta KJI$



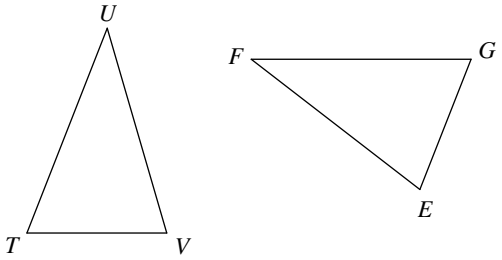
$\overline{FD} \cong ?$

2) $\Delta BAC \cong \Delta LMN$



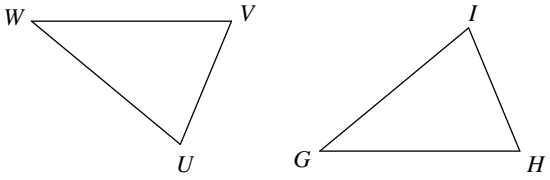
$\angle A \cong ?$

3) $\Delta TUV \cong \Delta GFE$



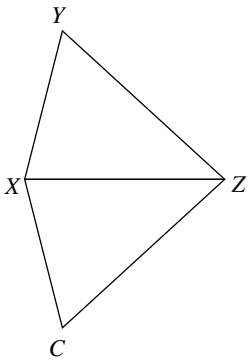
$\angle U \cong ?$

4) $\Delta WVU \cong \Delta GHI$



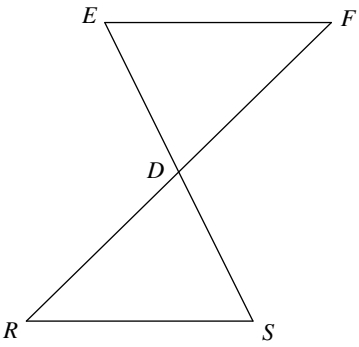
$\angle W \cong ?$

5) $\Delta ZXY \cong \Delta ZXC$



$\angle Y \cong ?$

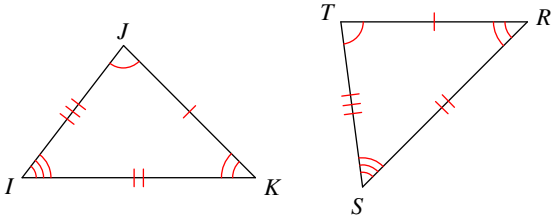
6) $\Delta DEF \cong \Delta DSR$



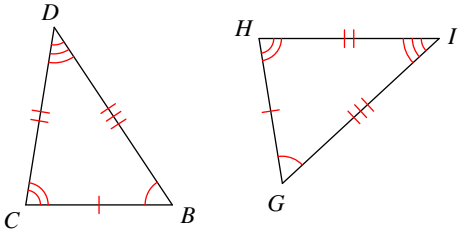
$\angle F \cong ?$

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

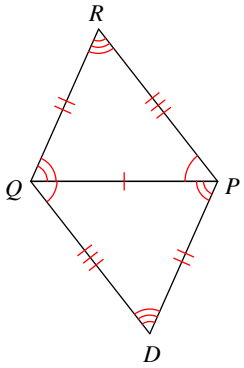
7)



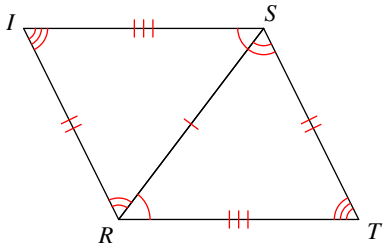
8)



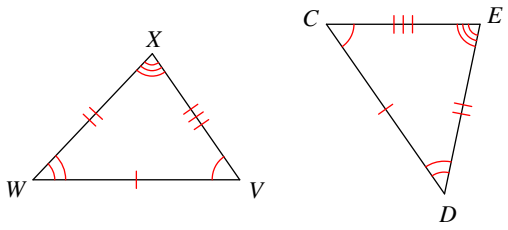
9)



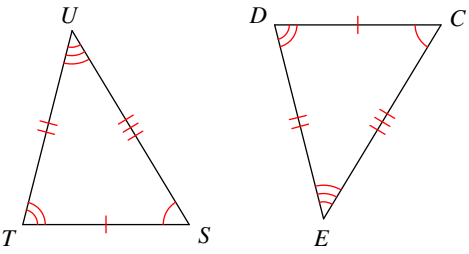
10)



11)

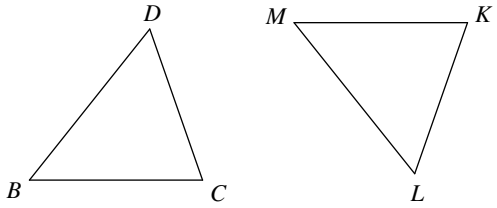


12)

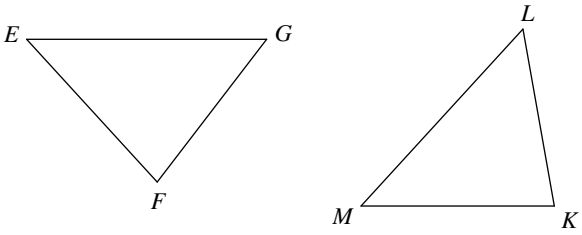


Mark the angles and sides of each pair of triangles to indicate that they are congruent.

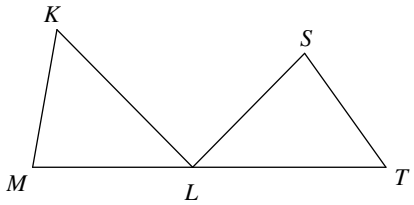
13) $\Delta BDC \cong \Delta MLK$



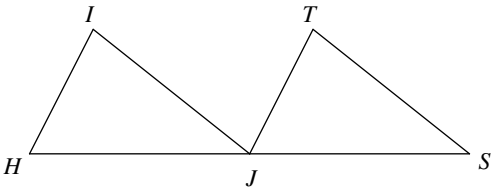
14) $\Delta GFE \cong \Delta LKM$



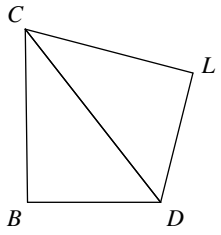
15) $\Delta MKL \cong \Delta STL$



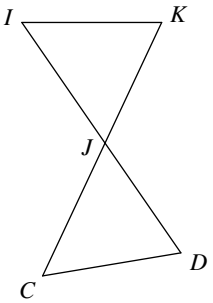
16) $\Delta HIJ \cong \Delta JTS$



17) $\Delta CDB \cong \Delta CDL$



18) $\Delta JIK \cong \Delta JCD$



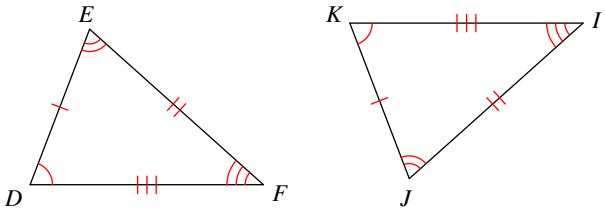
Kuta Software - Infinite Geometry Name_____

Congruence and Triangles

Date_____ Period____

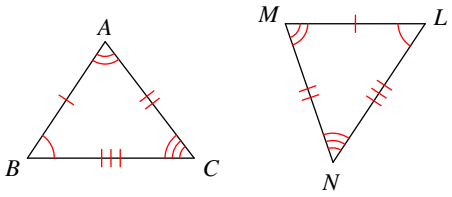
Complete each congruence statement by naming the corresponding angle or side.

1) $\Delta DEF \cong \Delta KJI$ $\overline{IK}$



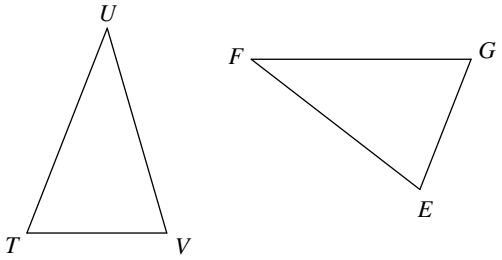
$\overline{FD} \cong ?$

2) $\Delta BAC \cong \Delta LMN$ $\angle M$



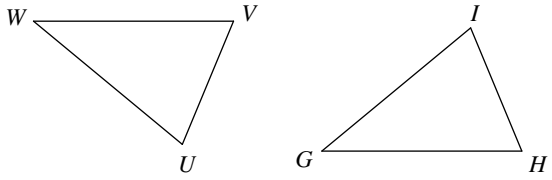
$\angle A \cong ?$

3) $\Delta TUV \cong \Delta GFE$ $\angle F$



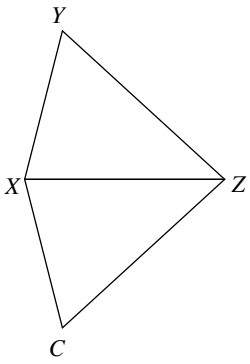
$\angle U \cong ?$

4) $\Delta WVU \cong \Delta GHI$ $\angle G$



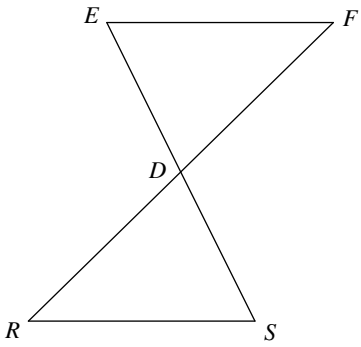
$\angle W \cong ?$

5) $\Delta ZXY \cong \Delta ZXC$ $\angle C$



$\angle Y \cong ?$

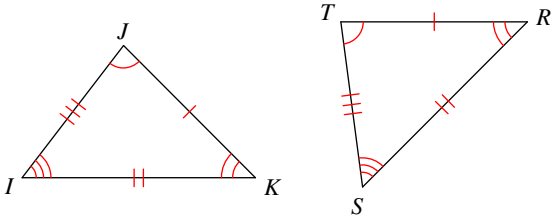
6) $\Delta DEF \cong \Delta DSR$ $\angle R$



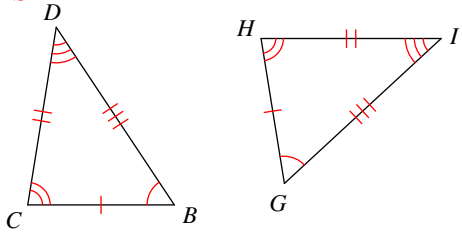
$\angle F \cong ?$

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

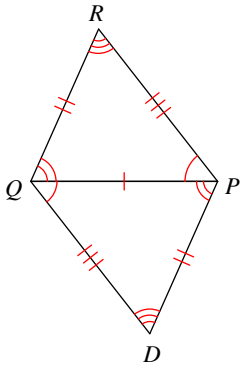
7) $\Delta JKI \cong \Delta TRS$



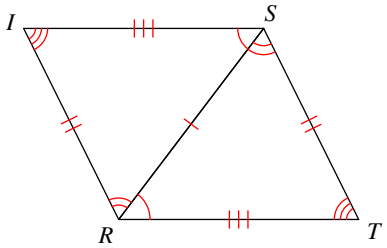
8) $\Delta BCD \cong \Delta GHI$



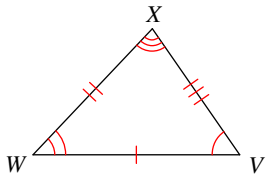
9) $\Delta PQR \cong \Delta QPD$

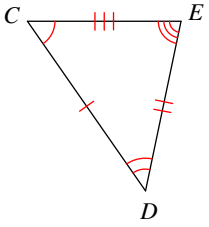


10) $\Delta RST \cong \Delta SRI$

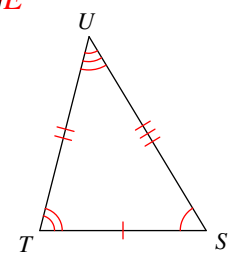


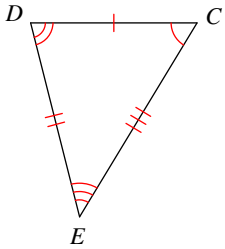
11) $\Delta VWX \cong \Delta CDE$





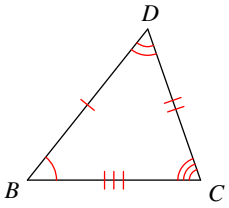
12) $\Delta STU \cong \Delta CDE$

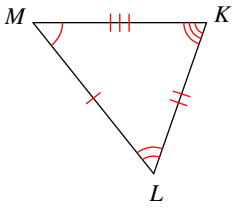




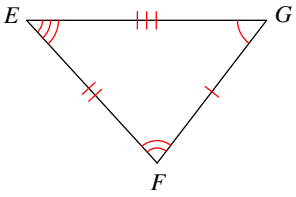
Mark the angles and sides of each pair of triangles to indicate that they are congruent.

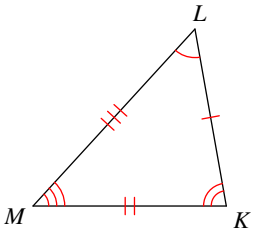
13) $\Delta BDC \cong \Delta MLK$



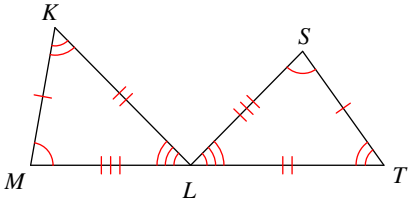


14) $\Delta GFE \cong \Delta LKM$

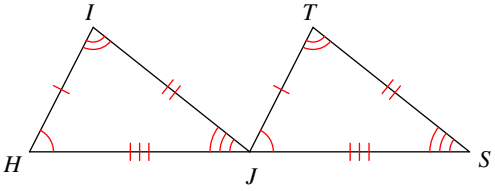




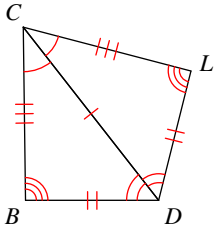
15) $\Delta MKL \cong \Delta STL$



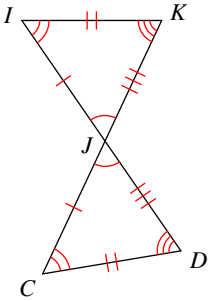
16) $\Delta HIJ \cong \Delta JTS$



17) $\Delta CDB \cong \Delta CDL$



18) $\Delta JIK \cong \Delta JCD$



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