

# Triangle Congruence Practice

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

1)  $\triangle LMN \cong \triangle LED$

$\overline{LM} \cong ?$

2)  $\triangle PRQ \cong \triangle PUV$

$\angle R \cong ?$

3)  $\triangle QRS \cong \triangle QCB$

$\overline{SQ} \cong ?$

4)  $\triangle WVU \cong \triangle FGH$

$\angle V \cong ?$

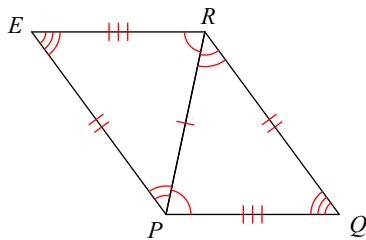
5)  $\triangle XYW \cong \triangle XYJ$

$\overline{XY} \cong ?$

6)  $\triangle HGI \cong \triangle HGS$

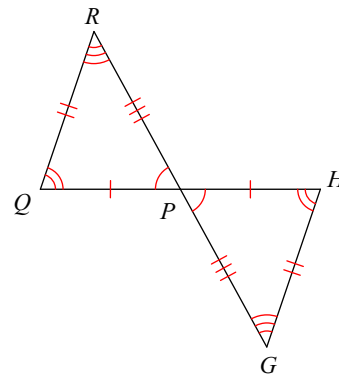
$\angle I \cong ?$

7)  $\triangle PRQ \cong \triangle RPE$



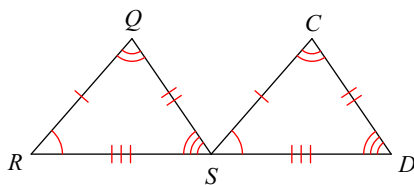
$\angle QPR \cong ?$

8)  $\triangle PQR \cong \triangle PHG$



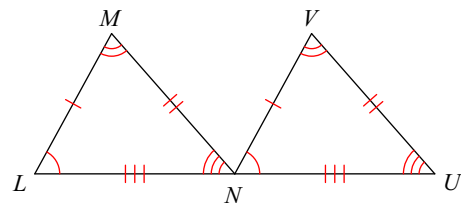
$\angle RPQ \cong ?$

9)  $\triangle RQS \cong \triangle SCD$



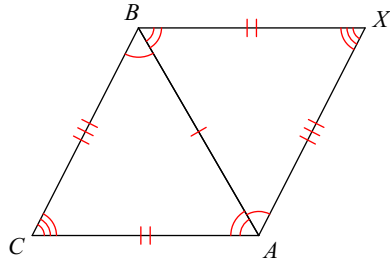
$\angle Q \cong ?$

10)  $\triangle LMN \cong \triangle NVU$



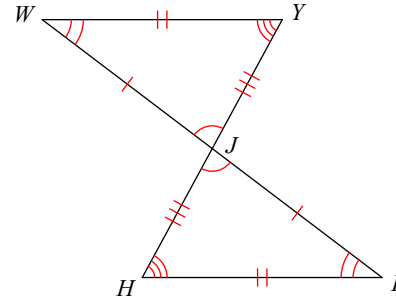
$\overline{MN} \cong ?$

11)  $\triangle BAC \cong \triangle ABX$



$\overline{BA} \cong ?$

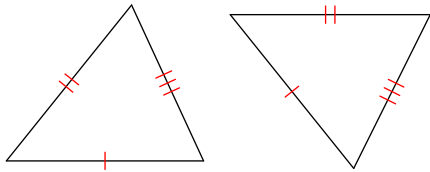
12)  $\triangle JIH \cong \triangle JWY$



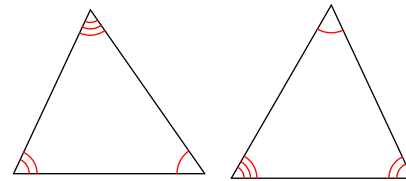
$\overline{JI} \cong ?$

**State if the two triangles are congruent by SSS, SAS, ASA, AAS, or HL. If they are not congruent, write NOT CONGRUENT.**

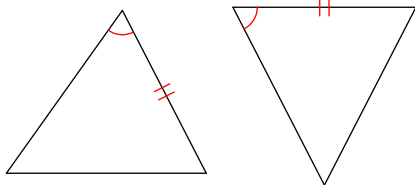
13)



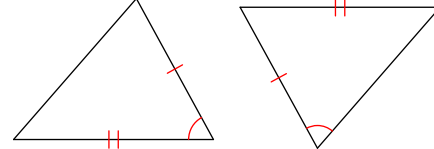
14)



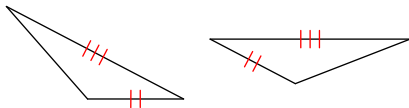
15)



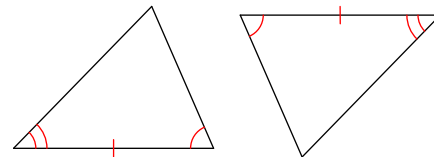
16)



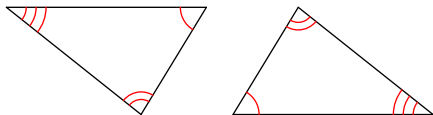
17)



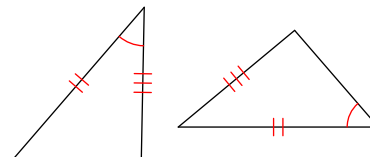
18)



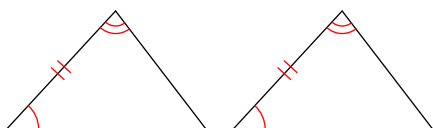
19)



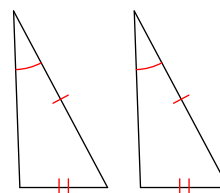
20)



21)



22)



# Triangle Congruence Practice

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

1)  $\triangle LMN \cong \triangle LED$

$\overline{LM} \cong ?$

$\overline{LE}$

2)  $\triangle PRQ \cong \triangle PUV$

$\angle R \cong ?$

$\angle U$

3)  $\triangle QRS \cong \triangle QCB$

$\overline{SQ} \cong ?$

$\overline{BQ}$

4)  $\triangle WVU \cong \triangle FGH$

$\angle V \cong ?$

$\angle G$

5)  $\triangle XYW \cong \triangle XYJ$

$\overline{XY} \cong ?$

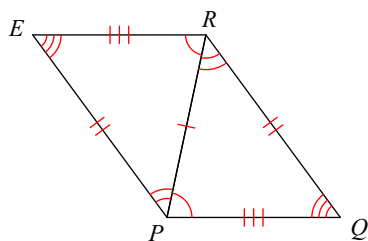
$\overline{XY}$

6)  $\triangle HGI \cong \triangle HGS$

$\angle I \cong ?$

$\angle S$

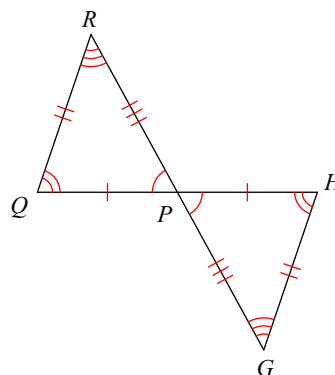
7)  $\triangle PRQ \cong \triangle RPE$



$\angle QPR \cong ?$

$\angle ERP$

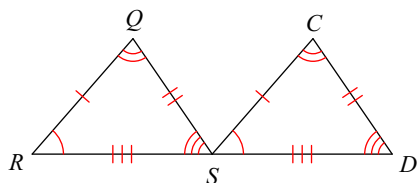
8)  $\triangle PQR \cong \triangle PHG$



$\angle RPQ \cong ?$

$\angle GPH$

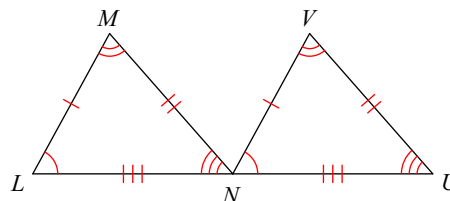
9)  $\triangle RQS \cong \triangle SCD$



$\angle Q \cong ?$

$\angle C$

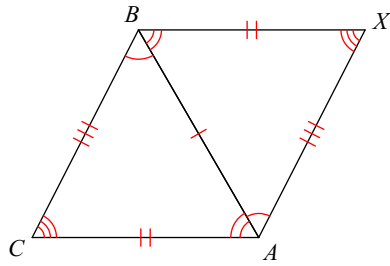
10)  $\triangle LMN \cong \triangle NVU$



$\overline{MN} \cong ?$

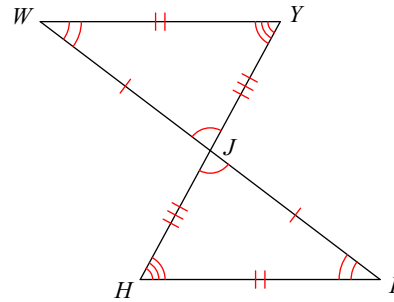
$\overline{VU}$

11)  $\triangle BAC \cong \triangle ABX$



$\overline{BA} \cong ?$   
 $\overline{AB}$

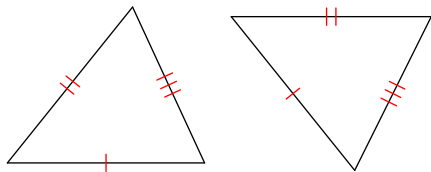
12)  $\triangle JIH \cong \triangle JWY$



$\overline{JI} \cong ?$   
 $\overline{JW}$

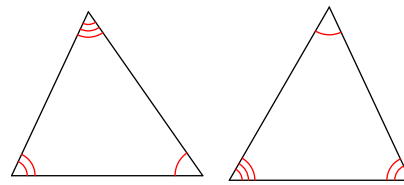
**State if the two triangles are congruent by SSS, SAS, ASA, AAS, or HL. If they are not congruent, write NOT CONGRUENT.**

13)



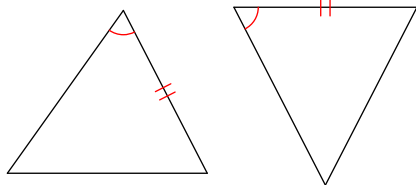
SSS

14)



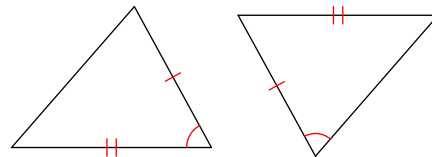
Not congruent

15)



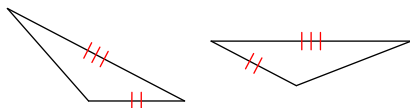
Not congruent

16)



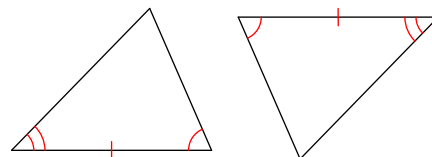
Not congruent

17)



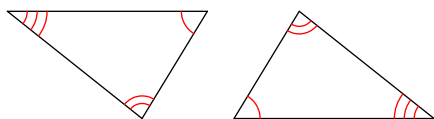
Not congruent

18)



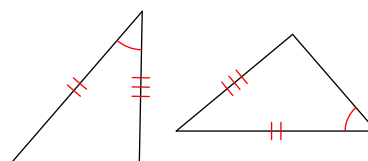
ASA

19)



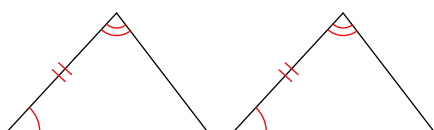
Not congruent

20)



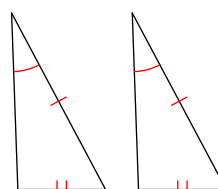
Not congruent

21)



ASA

22)



Not congruent