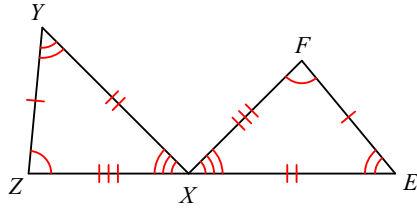


# Congruent parts and Triangles

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

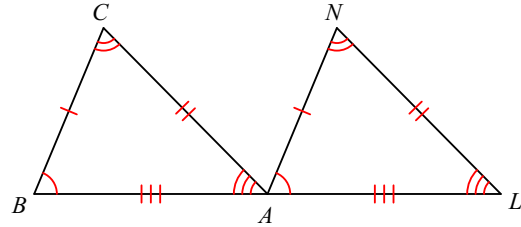
1)  $\triangle ZYX \cong \triangle FEX$



$\angle Y \cong ?$

- A)  $\angle X$       B)  $\overline{XF}$   
 C)  $\angle EXF$     D)  $\angle F$   
 E)  $\angle E$

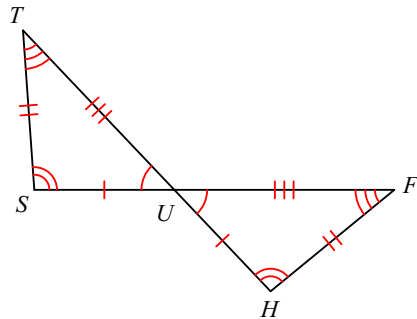
2)  $\triangle BCA \cong \triangle ANL$



$\overline{AB} \cong ?$

- A)  $\angle L$       B)  $\overline{NL}$       C)  $\overline{LA}$   
 D)  $\angle LAN$     E)  $\overline{AN}$

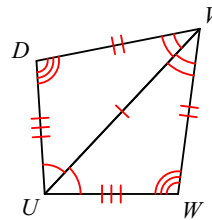
3)  $\triangle UST \cong \triangle UHF$



$\overline{ST} \cong ?$

- A)  $\overline{FU}$       B)  $\angle F$       C)  $\overline{HF}$   
 D)  $\angle H$       E)  $\overline{UH}$

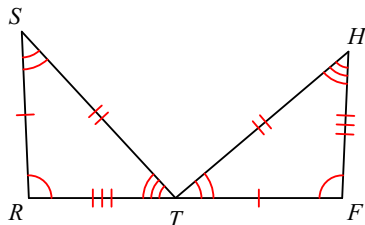
4)  $\triangle UVW \cong \triangle UVD$



$\overline{WU} \cong ?$

- A)  $\overline{VD}$       B)  $\overline{UV}$   
 C)  $\angle UVD$     D)  $\angle DUV$   
 E)  $\overline{DU}$

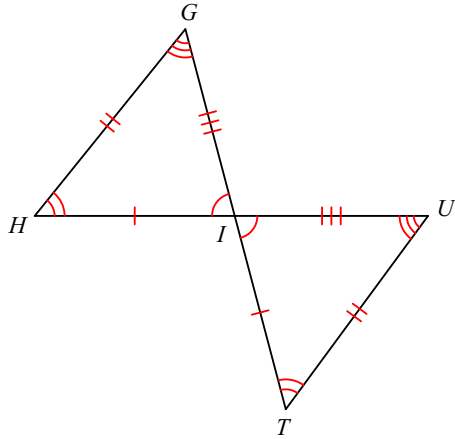
5)  $\triangle RST \cong \triangle FTH$



$\overline{TR} \cong ?$

- A)  $\angle F$       B)  $\angle FTH$   
 C)  $\overline{TH}$       D)  $\overline{FT}$   
 E)  $\overline{HF}$

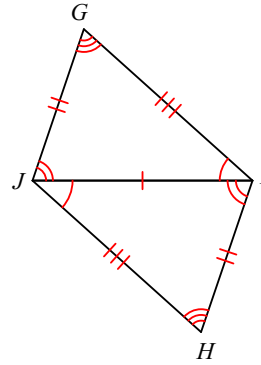
6)  $\triangle IHG \cong \triangle ITU$



$\angle H \cong ?$

- A)  $\angle UIT$       B)  $\overline{TU}$       C)  $\overline{IT}$   
 D)  $\angle U$       E)  $\angle T$

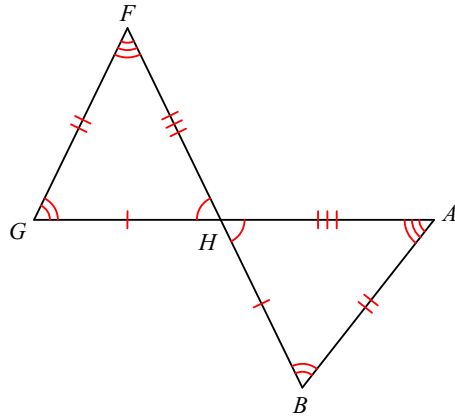
7)  $\triangle JIH \cong \triangle IJG$



$\overline{HJ} \cong ?$

- A)  $\overline{IJ}$       B)  $\overline{GI}$       C)  $\angle IJG$   
 D)  $\overline{JG}$       E)  $\angle G$

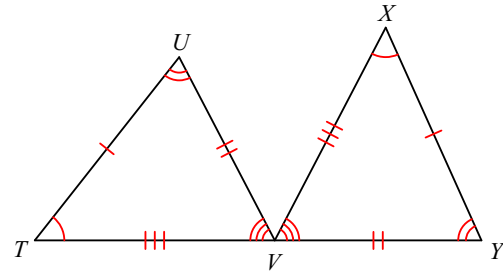
8)  $\triangle HGF \cong \triangle HBA$



$\overline{FH} \cong ?$

- A)  $\overline{AH}$       B)  $\overline{BA}$       C)  $\angle B$   
 D)  $\overline{HB}$       E)  $\angle A$

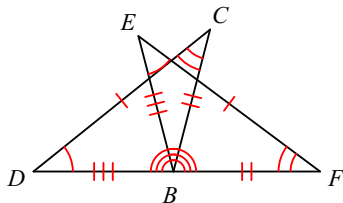
9)  $\triangle TUV \cong \triangle XYV$



$\angle U \cong ?$

- A)  $\overline{VX}$       B)  $\angle V$       C)  $\angle YVX$   
 D)  $\angle Y$       E)  $\angle X$

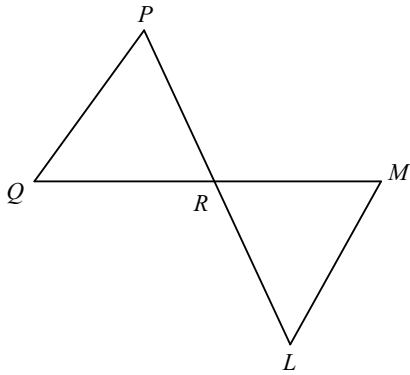
10)  $\triangle DCB \cong \triangle EFB$



$\angle C \cong ?$

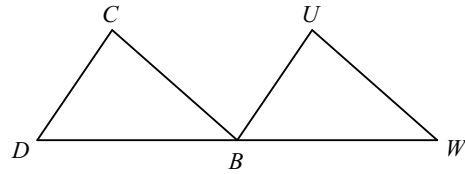
- A)  $\overline{EF}$       B)  $\angle E$   
 C)  $\angle FBE$       D)  $\angle B$   
 E)  $\angle F$

11)  $\triangle RQP \cong \triangle RLM$



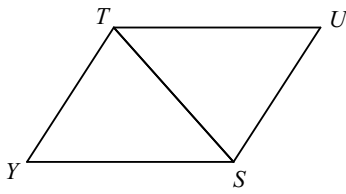
- $\angle Q \cong ?$
- A)  $\angle MRL$       B)  $\frac{\angle L}{MR}$   
 C)  $\frac{\angle M}{LM}$       D)  $\frac{LM}{MR}$   
 E)  $\overline{LM}$

12)  $\triangle DCB \cong \triangle BUW$



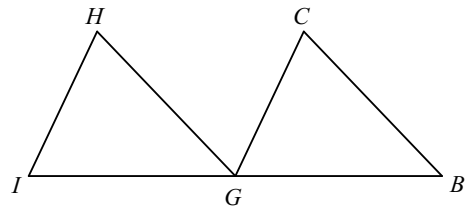
- $\angle C \cong ?$
- A)  $\angle U$       B)  $\overline{UW}$   
 C)  $\angle W$       D)  $\angle B$   
 E)  $\angle WBU$

13)  $\triangle STU \cong \triangle TSY$



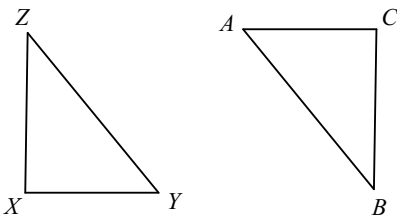
- $\angle UST \cong ?$
- A)  $\angle YTS$       B)  $\angle T$   
 C)  $\overline{YT}$       D)  $\angle Y$   
 E)  $\angle TSY$

14)  $\triangle IHG \cong \triangle GCB$



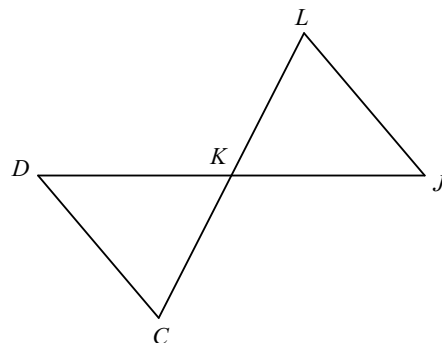
- $\overline{HG} \cong ?$
- A)  $\angle BGC$       B)  $\overline{CB}$   
 C)  $\overline{GC}$       D)  $\angle C$   
 E)  $\overline{BG}$

15)  $\triangle XZY \cong \triangle CBA$



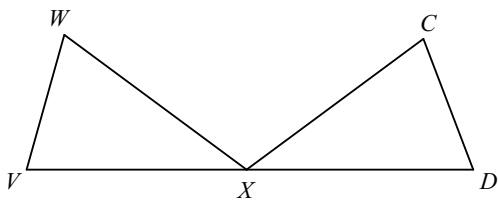
- $\overline{ZY} \cong ?$
- A)  $\frac{\angle B}{AC}$       B)  $\frac{\angle C}{CB}$       C)  $\overline{BA}$   
 D)  $\frac{AC}{CB}$       E)  $\overline{CB}$

16)  $\triangle KLJ \cong \triangle KCD$



- $\overline{LJ} \cong ?$
- A)  $\overline{KC}$       B)  $\overline{CD}$   
 C)  $\angle DKC$       D)  $\angle C$   
 E)  $\overline{DK}$

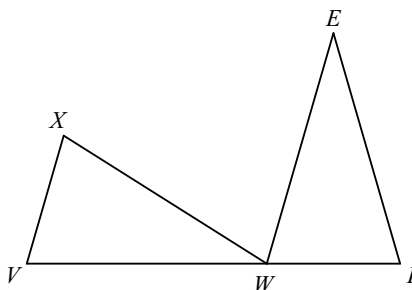
17)  $\triangle VWX \cong \triangle CDX$



$\overline{WX} \cong ?$

- A)  $\angle C$       B)  $\overline{XC}$       C)  $\overline{CD}$   
 D)  $\angle DXC$     E)  $\overline{DX}$

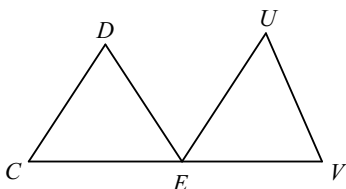
18)  $\triangle VXW \cong \triangle FWE$



$\angle X \cong ?$

- A)  $\angle FWE$       B)  $\angle F$   
 C)  $\angle W$           D)  $\angle E$   
 E)  $\overline{EF}$

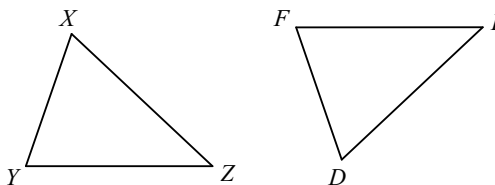
19)  $\triangle CDE \cong \triangle UVE$



$\angle C \cong ?$

- A)  $\overline{UV}$       B)  $\angle VEU$   
 C)  $\angle U$         D)  $\angle E$   
 E)  $\angle V$

20)  $\triangle ZYX \cong \triangle EFD$



$\angle X \cong ?$

- A)  $\angle D$           B)  $\angle F$           C)  $\angle E$   
 D)  $\overline{FD}$         E)  $\overline{EF}$

21)  $\triangle IJK \cong \triangle YKW$

$\angle I \cong ?$

- A)  $\angle K$           B)  $\angle YKW$   
 C)  $\overline{WY}$         D)  $\angle W$   
 E)  $\angle Y$

22)  $\triangle KLM \cong \triangle KTU$

$\overline{MK} \cong ?$

- A)  $\angle U$           B)  $\overline{UK}$   
 C)  $\overline{TU}$         D)  $\angle UKT$   
 E)  $\overline{KT}$

23)  $\triangle HIG \cong \triangle HDC$

$\overline{HI} \cong ?$

- A)  $\overline{DC}$       B)  $\angle D$   
 C)  $\overline{HD}$       D)  $\angle CHD$   
 E)  $\overline{CH}$

24)  $\triangle UTS \cong \triangle PSR$

$\angle T \cong ?$

- A)  $\angle S$           B)  $\overline{PS}$           C)  $\angle P$   
 D)  $\angle PSR$       E)  $\angle R$

25)  $\triangle GFE \cong \triangle WXY$

$\angle F \cong ?$

- A)  $\overline{YW}$       B)  $\angle W$           C)  $\angle Y$   
 D)  $\angle X$         E)  $\overline{XY}$

26)  $\triangle HFG \cong \triangle IGK$

$\angle H \cong ?$

- A)  $\angle G$           B)  $\angle IGK$           C)  $\overline{IG}$   
 D)  $\angle K$           E)  $\angle I$

27)  $\triangle QRS \cong \triangle WVS$

$\overline{RS} \cong ?$

- A)  $\angle W$
- B)  $\angle VSW$
- C)  $\overline{WV}$
- D)  $\overline{SW}$
- E)  $\overline{VS}$

28)  $\triangle RST \cong \triangle RSM$

$\angle T \cong ?$

- A)  $\angle MRS$
- B)  $\angle RSM$
- C)  $\overline{MR}$
- D)  $\angle M$
- E)  $\angle S$

29)  $\triangle UTS \cong \triangle CDE$

$\overline{UT} \cong ?$

- A)  $\overline{EC}$
- B)  $\overline{DE}$
- C)  $\angle C$
- D)  $\overline{CD}$
- E)  $\angle D$

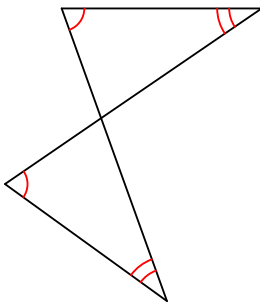
30)  $\triangle ABC \cong \triangle ANM$

$\overline{BC} \cong ?$

- A)  $\overline{NM}$
- B)  $\overline{AN}$
- C)  $\overline{MA}$
- D)  $\angle M$
- E)  $\angle MAN$

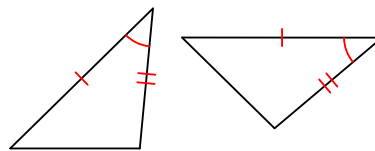
**Determine if the two triangles are congruent. If they are, state how you know.**

31)



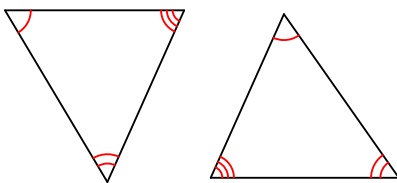
- A) ASA
- B) Not enough information
- C) SSS
- D) SAS
- E) HL

32)



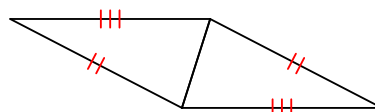
- A) AAS
- B) Not enough information
- C) SSS
- D) HL
- E) SAS

33)



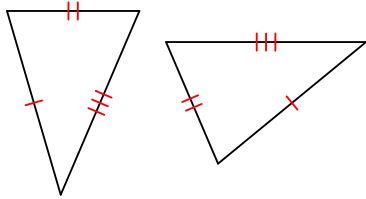
- A) ASA
- B) SAS
- C) SSS
- D) Not enough information
- E) HL

34)



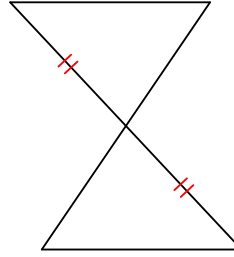
- A) SSS
- B) AAS
- C) HL
- D) SAS
- E) ASA

35)



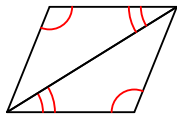
- A) Not enough information
- B) SSS
- C) SAS
- D) ASA
- E) AAS

36)



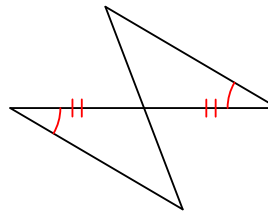
- A) AAS
- B) ASA
- C) SAS
- D) Not enough information
- E) HL

37)



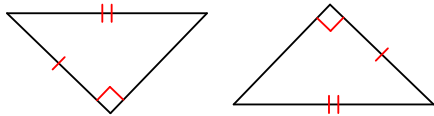
- A) HL
- B) ASA
- C) AAS
- D) SSS
- E) SAS

38)



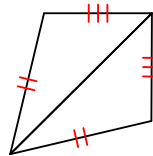
- A) ASA
- B) HL
- C) Not enough information
- D) AAS
- E) SSS

39)



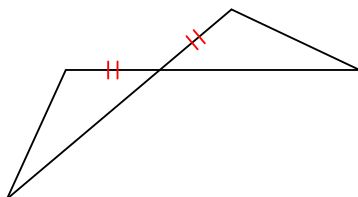
- A) HL
- B) ASA
- C) Not enough information
- D) SSS
- E) SAS

40)



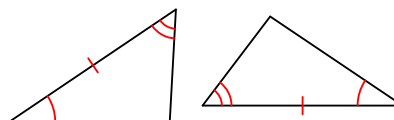
- A) ASA
- B) SAS
- C) AAS
- D) HL
- E) SSS

41)



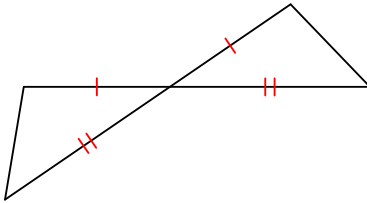
- A) Not enough information
- B) AAS
- C) HL
- D) ASA
- E) SSS

42)



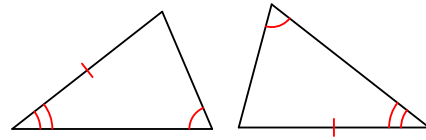
- A) HL
- B) SAS
- C) AAS
- D) Not enough information
- E) ASA

43)



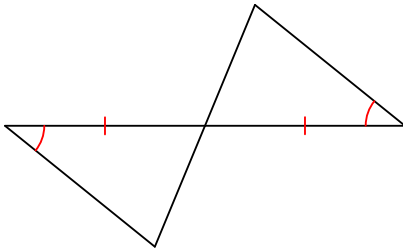
- A) SAS
- B) HL
- C) ASA
- D) AAS
- E) Not enough information

44)



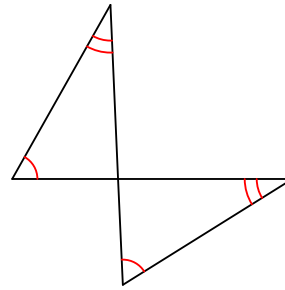
- A) SAS
- B) SSS
- C) ASA
- D) AAS
- E) HL

45)



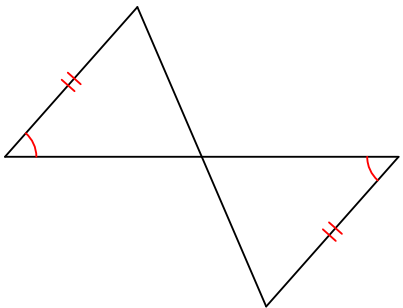
- A) HL
- B) Not enough information
- C) ASA
- D) SAS
- E) AAS

46)



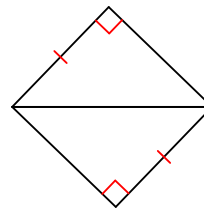
- A) AAS
- B) SSS
- C) Not enough information
- D) HL
- E) ASA

47)



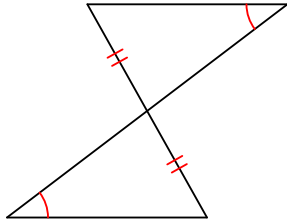
- A) SAS
- B) Not enough information
- C) AAS
- D) SSS
- E) ASA

48)



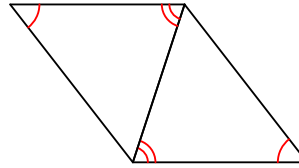
- A) SAS
- B) Not enough information
- C) ASA
- D) HL
- E) AAS

49)



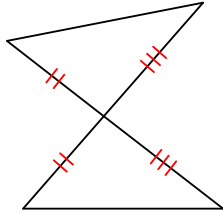
- A) ASA
- B) SSS
- C) AAS
- D) HL
- E) SAS

50)



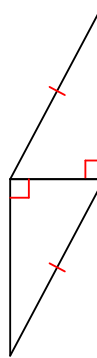
- A) AAS
- B) HL
- C) SSS
- D) SAS
- E) ASA

51)



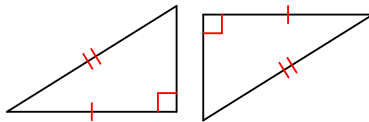
- A) AAS
- B) SSS
- C) HL
- D) SAS
- E) Not enough information

52)



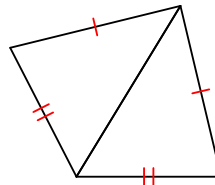
- A) SSS
- B) ASA
- C) SAS
- D) HL
- E) Not enough information

53)



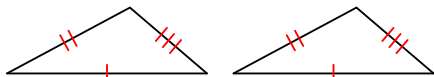
- A) SAS
- B) ASA
- C) HL
- D) Not enough information
- E) SSS

54)



- A) ASA
- B) SSS
- C) SAS
- D) Not enough information
- E) AAS

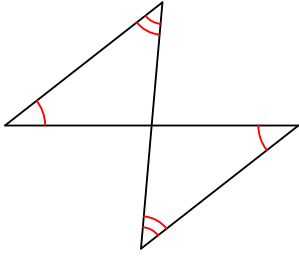
55)



- A) SSS
- B) AAS
- C) Not enough information
- D) SAS
- E) ASA

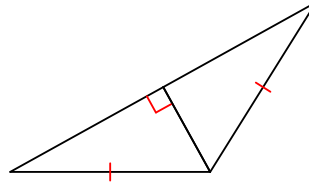


56)



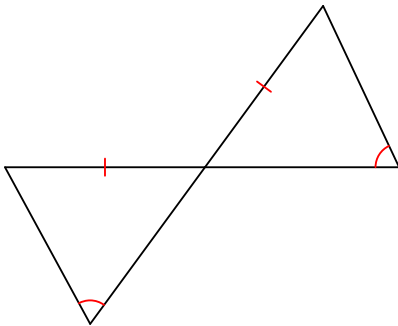
- A) ASA
- B) SAS
- C) SSS
- D) Not enough information
- E) HL

57)



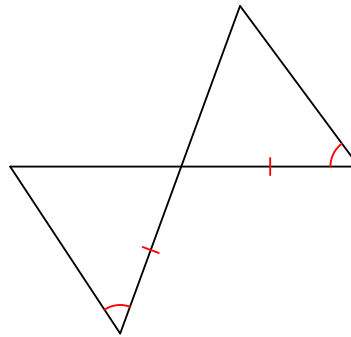
- A) SSS
- B) HL
- C) ASA
- D) SAS
- E) Not enough information

58)



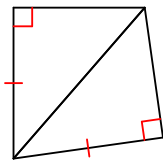
- A) SAS
- B) ASA
- C) HL
- D) SSS
- E) AAS

59)



- A) SSS
- B) SAS
- C) HL
- D) ASA
- E) AAS

60)



- A) ASA
- B) HL
- C) AAS
- D) Not enough information
- E) SAS