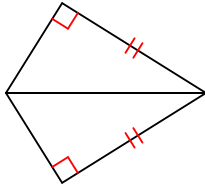


Congruent Triangles Practice

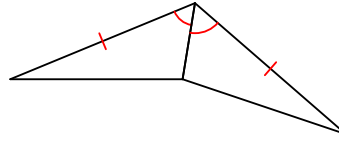
Determine if the two triangles are congruent. If they are, state how you know.

1)



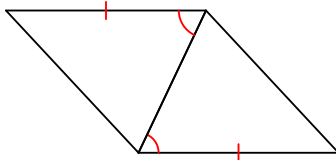
- A) Not enough information
- B) SSS
- C) SAS
- D) HL

2)



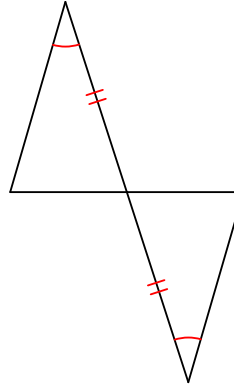
- A) Not enough information
- B) HL
- C) SAS
- D) SSS

3)



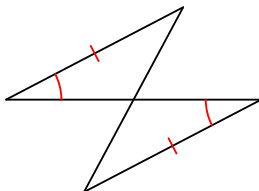
- A) HL
- B) AAS
- C) SAS
- D) ASA

4)



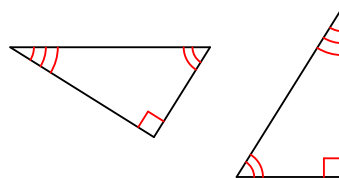
- A) Not enough information
- B) SAS
- C) SSS
- D) ASA

5)



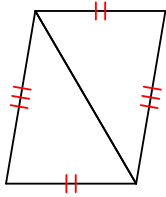
- A) SAS
- B) AAS
- C) ASA
- D) SSS

6)



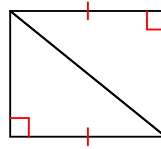
- A) Not enough information
- B) ASA
- C) SAS
- D) HL

7)



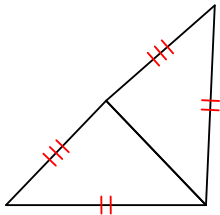
- A) SAS B) SSS
C) AAS D) ASA

8)



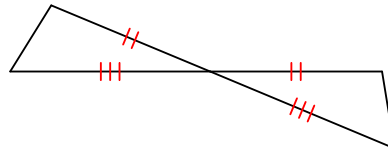
- A) HL
B) Not enough information
C) SSS
D) SAS

9)



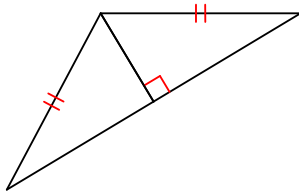
- A) AAS
B) SSS
C) Not enough information
D) SAS

10)



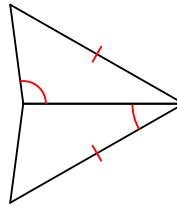
- A) SAS B) HL
C) ASA D) AAS

11)



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

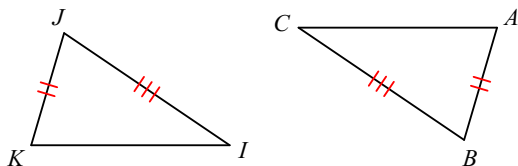
12)



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

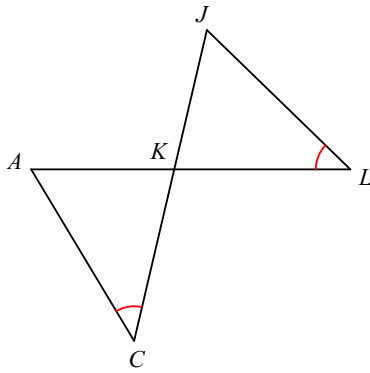
State what additional information is required in order to know that the triangles are congruent for the reason given.

13) SAS



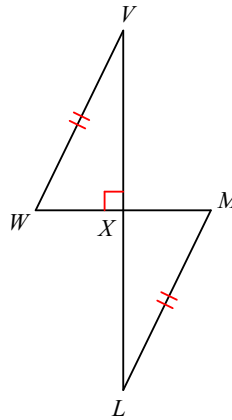
- A) $\angle J \cong \angle B$
B) $\overline{KJ} \cong \overline{AB}$ or $\overline{IK} \cong \overline{CA}$
C) $\angle K \cong \angle A$
D) $\overline{KJ} \cong \overline{AB}$

14) ASA



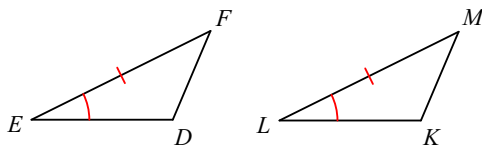
- A) $\overline{LK} \cong \overline{CK}$ or $\overline{KJ} \cong \overline{KA}$
- B) $\overline{LK} \cong \overline{CK}$
- C) $\angle LKJ \cong \angle CKA$
- D) $\angle L \cong \angle C$ or $\angle LKJ \cong \angle CKA$

15) HL



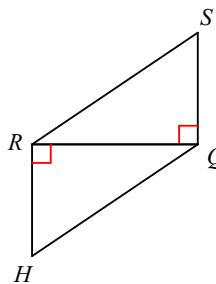
- A) $\angle VXW \cong \angle LXM$ or $\angle V \cong \angle L$
- B) $\angle VXW \cong \angle LXM$
- C) $\overline{VX} \cong \overline{LX}$
- D) $\overline{XW} \cong \overline{XM}$ or $\overline{VX} \cong \overline{LX}$

16) AAS



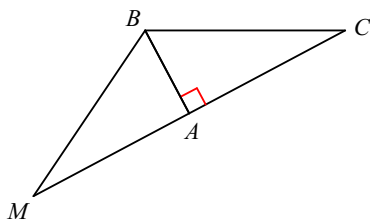
- A) $\overline{DE} \cong \overline{KL}$
- B) $\angle D \cong \angle K$
- C) $\angle D \cong \angle K$ or $\angle F \cong \angle M$
- D) $\angle E \cong \angle L$ or $\angle F \cong \angle M$

17) HL



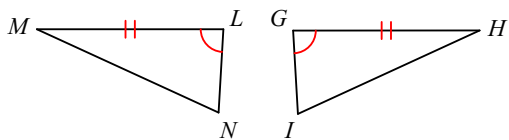
- A) $\overline{RS} \cong \overline{QH}$
- B) $\overline{SQ} \cong \overline{HR}$
- C) $\angle SQR \cong \angle HRQ$
- D) $\angle SQR \cong \angle HRQ$ or $\angle S \cong \angle H$

18) HL



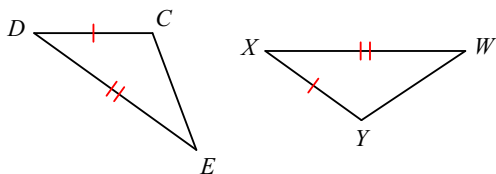
- A) $\overline{BC} \cong \overline{BM}$
- B) $\angle C \cong \angle M$
- C) $\angle ABC \cong \angle ABM$
- D) $\overline{AB} \cong \overline{AB}$

19) ASA



- A) $\angle N \cong \angle I$
- B) $\overline{NL} \cong \overline{IG}$
- C) $\angle M \cong \angle H$
- D) $\angle L \cong \angle G$

20) SSS



- A) $\overline{EC} \cong \overline{WY}$
- B) $\overline{DE} \cong \overline{XW}$
- C) $\angle C \cong \angle Y$ or $\angle D \cong \angle X$
- D) $\angle C \cong \angle Y$ or $\angle E \cong \angle W$