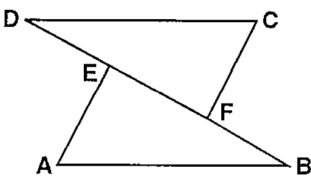


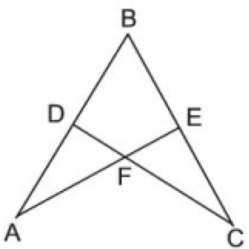
Statement	Reason
1) $\overline{PQ} \parallel \overline{TS}$ R is the midpoint of $\overline{QS}$	1) Given

Prove:  $\overline{ST} \cong \overline{PQ}$



Statement	Reason
1) $\overline{AE} \perp \overline{DB}$ $\overline{CF} \perp \overline{DB}$ $DE = FB$ $DC = AB$	1) Given

Prove:  $\triangle ABE \cong \triangle CDF$



Prove:  $\triangle ABE \cong \triangle CBD$

Statement	Reason
1) $\overline{BD} \cong \overline{BE}$ $\angle A \cong \angle C$	1) Given

10. **Given:**  $\overline{CA} \perp \overline{AB}; \overline{ED} \perp \overline{DF}; \overline{ED} \parallel \overline{AB};$

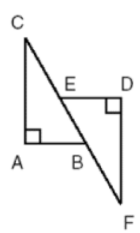
$\overline{CE} \cong \overline{BF}; \overline{AB} \cong \overline{ED};$

$\angle CAB$  rt  $\angle; \angle FDE$  rt  $\angle$

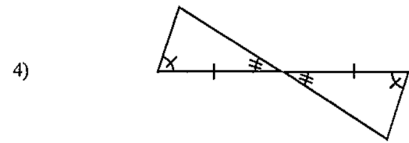
Which method can **NOT** be used to prove:  
 $\triangle ABC \cong \triangle DEF$

**Choose:**

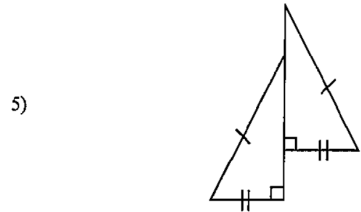
- SSS
- SAS
- AAS
- HL



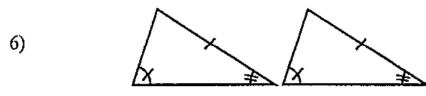
What is the congruence correspondence, if any, that will prove the given triangles congruent?



- A) SSS                      C) SAS  
B) ASA                      D) none



- A) HL                      C) AAS  
B) SAS                      D) none



- A) SAS                      C) SSA  
B) AAS                      D) none

10) Which set of numbers could be the lengths of the sides of a triangle?

- A) {5,5,11}                      C) {6,7,13}  
B) {12,13,20}                      D) {3,6,9}

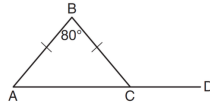
11) If the length of two sides of a triangle are 7 and 10, the length of the third side may be

- A) 2                      B) 3                      C) 1                      D) 4

In  $\triangle JKL$ ,  $\overline{JL} \cong \overline{KL}$ . If  $m\angle J = 58$ , then  $m\angle L$  is

- 1) 61
- 2) 64
- 3) 116
- 4) 122

In the diagram below of isosceles  $\triangle ABC$ , the measure of vertex angle  $B$  is  $80^\circ$ . If  $\overline{AC}$  extends to point  $D$ , what is  $m\angle BCD$ ?



- 1) 50
- 2) 80
- 3) 100
- 4) 130

Which set of numbers represents the lengths of the sides of a triangle?

- 1) {5, 18, 13}
- 2) {6, 17, 22}
- 3) {16, 24, 7}
- 4) {26, 8, 15}

In  $\triangle PQR$ ,  $PQ = 8$ ,  $QR = 12$ , and  $RP = 13$ . Which statement about the angles of  $\triangle PQR$  must be true?

- 1)  $m\angle Q > m\angle P > m\angle R$
- 2)  $m\angle Q > m\angle R > m\angle P$
- 3)  $m\angle R > m\angle P > m\angle Q$
- 4)  $m\angle P > m\angle R > m\angle Q$