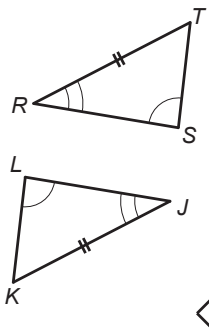
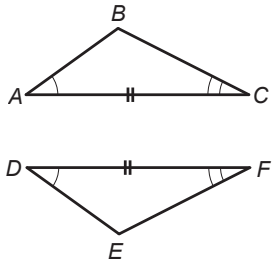
Write the triangle congruence statement.



1

Determine the triangle congruence shortcut.



2

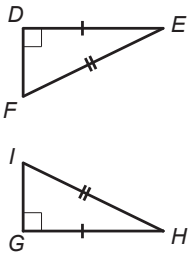
$\triangle CAR \cong \triangle BUS$

a. What side is congruent to $\overline{CR}$?

b. What angle is congruent to $\angle S$?

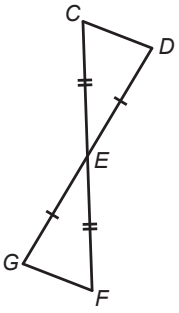
5

Determine the triangle congruence shortcut.



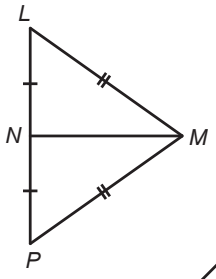
6

Determine the triangle congruence shortcut.



3

Write the triangle congruence statement.



4

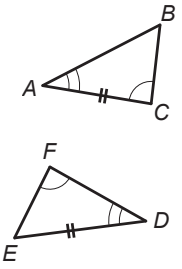
$\triangle CAT \cong \triangle DOG$

a. What side is congruent to $\overline{AT}$?

b. What angle is congruent to $\angle T$?

7

Determine if the triangles are congruent.



8

$\triangle ARM \cong \triangle LEG$

Complete the congruence statements.

a. $\angle A \cong$ _____

b. $\angle M \cong$ _____

c. $\angle R \cong$ _____

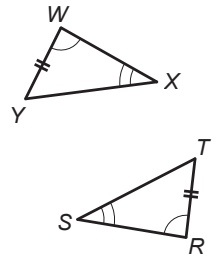
d. $\overline{AR} \cong$ _____

e. $\overline{RM} \cong$ _____

f. $\overline{AM} \cong$ _____

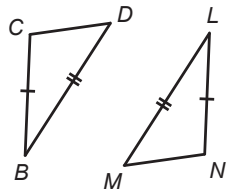
9

Determine the triangle congruence shortcut.



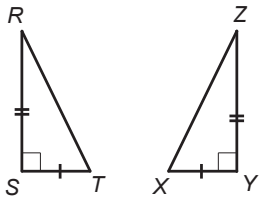
10

What other information is needed to prove the two triangles are congruent by SAS?



13

Determine the triangle congruence shortcut.



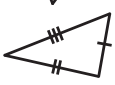
14

Determine which pair of triangles are congruent.

a.

b.

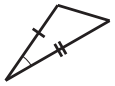
c.



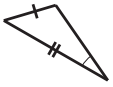
11

Determine which pair of triangles are congruent.

a.



b.

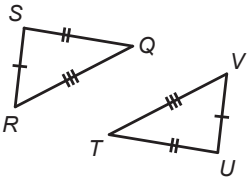


c.

12

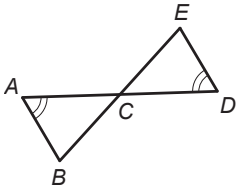
Error Analysis - Find the error and make the correction.

$\triangle QRS \cong \triangle TUV$



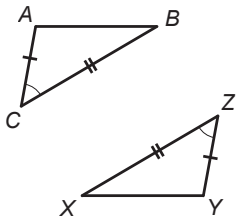
15

What other information is needed to prove the two triangles are congruent by ASA?



16

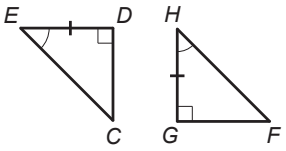
Write the triangle congruence statement.



17

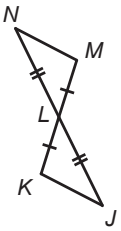
Error Analysis - Find the error and make the correction.

The triangles are congruent by HL.



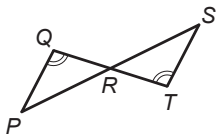
18

Determine if the triangles are congruent.



19

What other information is needed to prove the two triangles are congruent by AAS?



20

KEY

Triangle Congruence Task Cards

1. $\triangle RST \cong \triangle JLK$	2. ASA
3. SAS	4. $\triangle LMN \cong \triangle PMN$
5. a. $\overline{BS}$ b. $\angle R$	6. HL
7. a. $\overline{OG}$ b. $\angle G$	8. No, not enough information
9. a. $\angle L$ d. $\overline{LE}$ b. $\angle G$ e. $\overline{EG}$ c. $\angle E$ f. $\overline{LG}$	10. AAS

KEY

11. b and c	12. a and c
13. $\angle B \cong \angle L$	14. SAS
15. $\triangle QRS \cong \triangle TVU$ Change the order since $\angle R \cong \angle V$.	16. $\overline{AC} \cong \overline{DC}$
17. $\triangle ABC \cong \triangle YXZ$	18. The triangles are congruent by ASA.
19. Yes, by SAS	20. $\overline{PQ} \cong \overline{ST}$ *or* $\overline{PR} \cong \overline{SR}$