



Unleashing Innovation Through STEM Education

www.stemscholarshub.net

Lesson: Triangle Postulates – Middle School

Name:

Teacher:

Date:

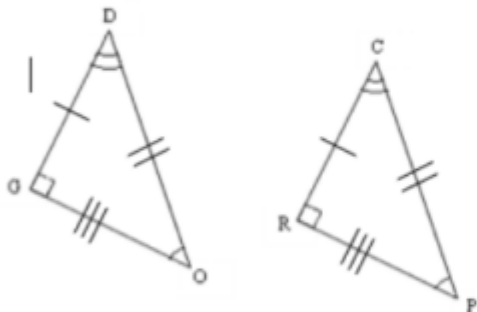
1. What does SSS stand for?

- a) Small Side Small
- b) Sam's Silly Side
- c) Side Side Side
- d) Small Small Small

2. What does SSS prove?

- a) Triangles similar
- b) Triangles congruent
- c) Triangle angle sum
- d) Nothing

3. 1. $\triangle OGD = \triangle$ _____



Complete the congruence statement.

$\triangle OGD = \triangle$ (a) _____

- a) RPC
- b) CRP
- c) PRC
- d) PCR

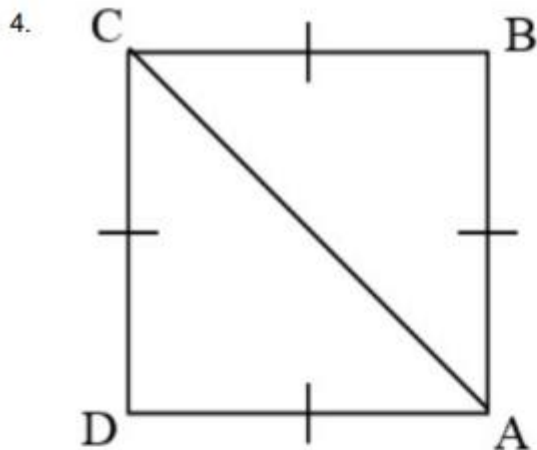
Choose from the below words

RPC

CRP

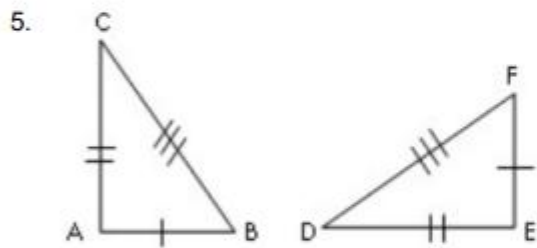
PRC

PCR



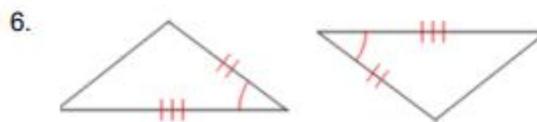
Name the postulate, if possible, that makes the triangles congruent.

- | | |
|--------|-----------------|
| a) ASA | b) Not Possible |
| c) SAS | d) SSS |



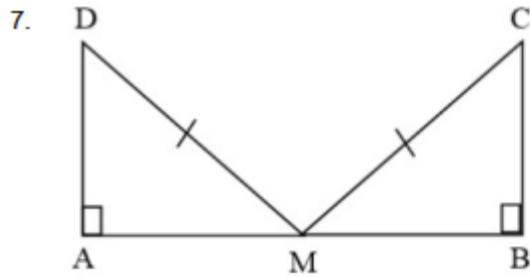
Name the postulate, if possible, that makes the triangles congruent.

- | | |
|--------|-----------------|
| a) SSS | b) SAS |
| c) ASA | d) Not Possible |



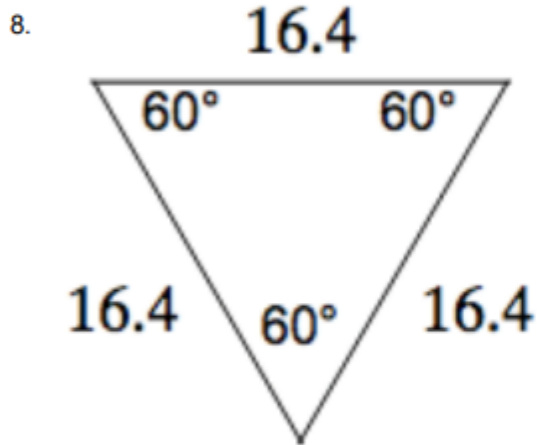
State if the two triangles are congruent. If they are, state which theorem you would use.

- | | |
|-------------|-------------|
| a) Yes, SSS | b) No |
| c) Yes, HL | d) Yes, SAS |



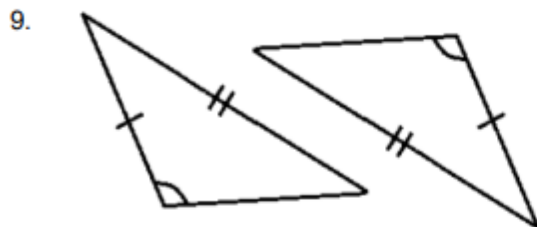
Name the postulate, if possible, that makes the triangles congruent.

- a) ASA
- b) SSS
- c) SAS
- d) Not Possible



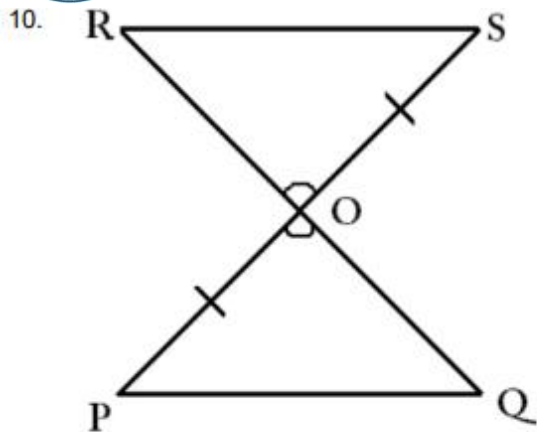
Which would be the best classification for the triangle shown?

- a) equiangular isosceles
- b) acute isosceles
- c) equiangular equilateral
- d) equiangular scalene



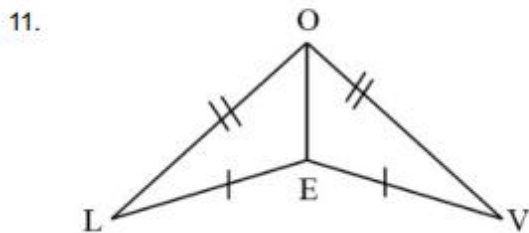
What can be concluded about the triangles?

- a) Not Necessarily Congruent
- b) Congruent by HL
- c) Congruent by SAS
- d) Congruent by SSS



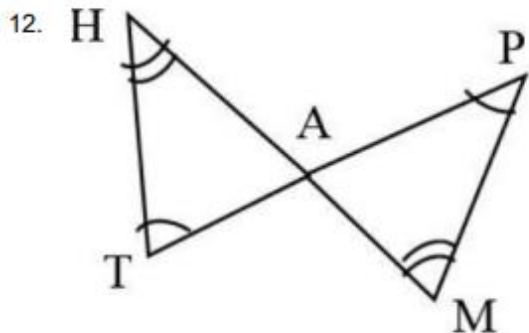
Are the two triangles congruent?

- a) Yes by AAS
- b) Yes, by SSA
- c) Yes By ASA
- d) Not enough information



Are the triangles congruent, if yes, why?

- a) SSS
- b) Not Congruent
- c) SAS
- d) ASA



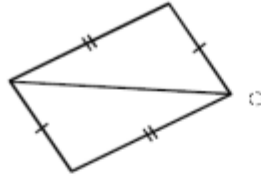
Are the triangles congruent, if yes, why?

- a) AAA
- b) Not Congruent
- c) ASA
- d) SSS



13. Match each triangle with its congruence postulate, or if it is not congruent label not congruent.

b)



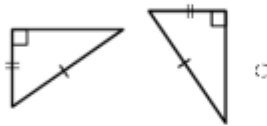
☐ ASA

a)



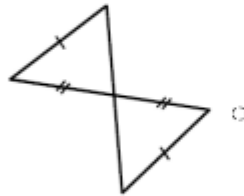
☐ SSS

d)



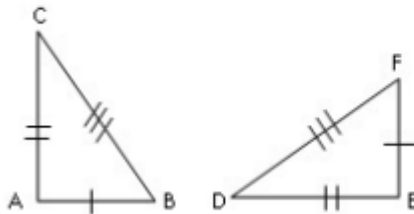
☐ Not Congruent

c)



☐ HL

14.



Name the postulate, if possible, that makes the triangles congruent.

a) SAS

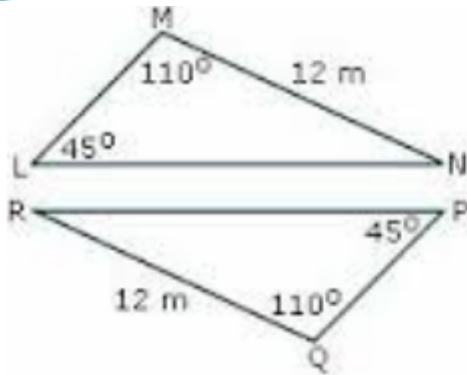
b) ASA

c) Not Possible

d) SSS



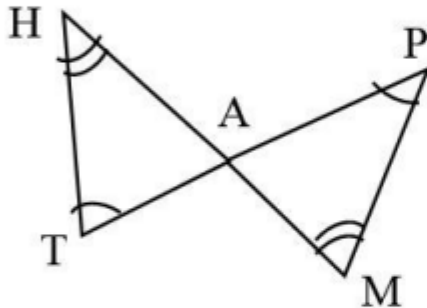
15.



Are these triangles congruent? If so, state the rule which you used to determine congruence.

- a) Not necessarily congruent
- b) AAS
- c) ASA
- d) AAA

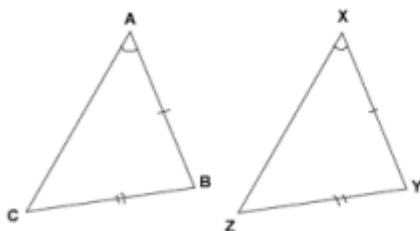
16.



Name the postulate, if possible, that makes the triangles congruent.

- a) AAS
- b) ASA
- c) Not Possible
- d) SSS

17.

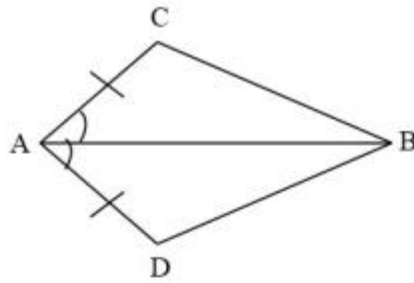


Are these triangles congruent? If so, state the rule which you used to determine congruence.

- a) ASA
- b) AAS
- c) SSA
- d) Not necessarily congruent



18.



Name the postulate, if possible, that makes the triangles congruent.

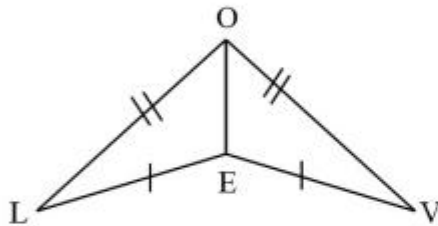
a) AAS

b) ASA

c) SSS

d) SAS

19.



Name the postulate, if possible, that makes the triangles congruent.

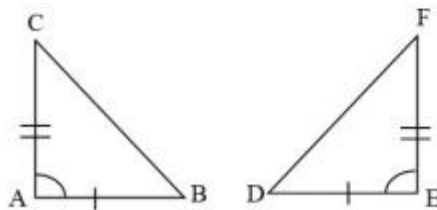
a) SAS

b) ASA

c) SSS

d) Not Possible

20.



Name the postulate, if possible, that makes the triangles congruent.

a) AAS

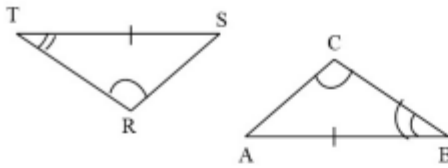
b) SSS

c) SAS

d) ASA



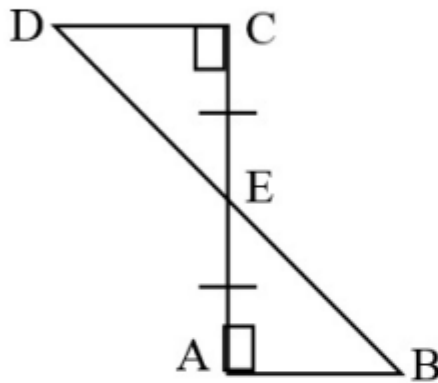
21.



Name the postulate, if possible, that makes the triangles congruent.

- | | |
|-----------------|--------|
| a) ASA | b) AAS |
| c) Not Possible | d) SAS |

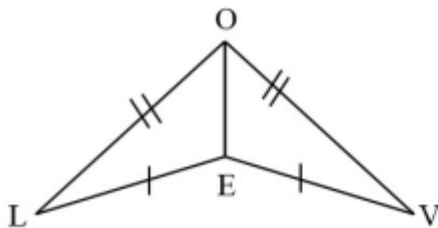
22.



Name the postulate, if possible, that makes the triangles congruent.

- | | |
|-----------------|--------|
| a) ASA | b) SAS |
| c) Not Possible | d) AAS |

23.

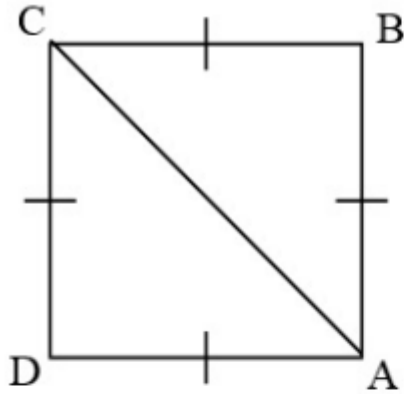


Name the postulate, if possible, that makes the triangles congruent.

- | | |
|--------|-----------------|
| a) ASA | b) Not Possible |
| c) SSS | d) SAS |



24.



Name the postulate, if possible, that makes the triangles congruent.

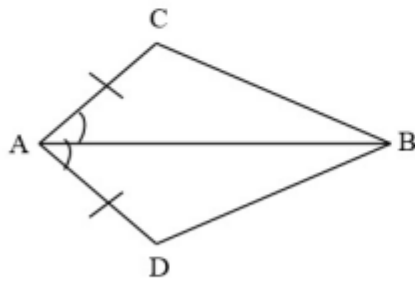
a) SAS

b) SSS

c) ASA

d) Not Possible

25.



Name the postulate, if possible, that makes the triangles congruent.

a) SSS

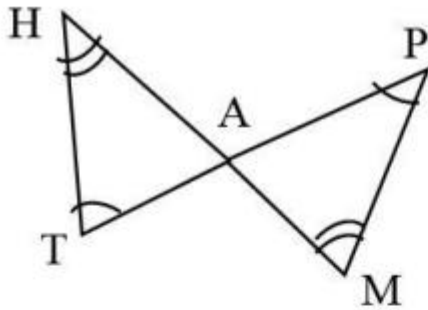
b) ASA

c) AAS

d) SAS



26.



Name the postulate, if possible, that makes the triangles congruent.

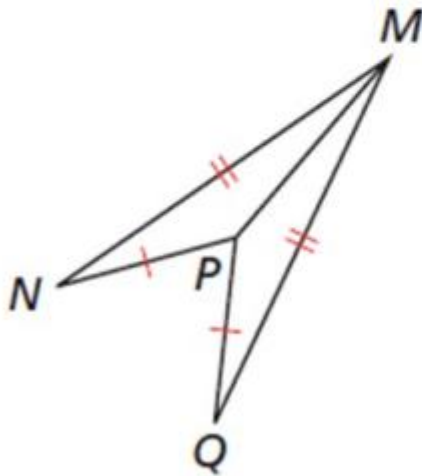
a) SSS

b) ASA

c) AAS

d) Not Possible

27.



Name the postulate, if possible, that makes the triangles congruent.

a) SSS

b) Not Possible

c) SAS

d) AAS



Unleashing Innovation Through STEM Education

www.stemscholarshub.net

Answer Keys

- | | | |
|--|-------------------------------------|------------------------|
| 1. c) Side Side Side | 2. b) Triangles congruent | 3. RPC |
| 4. d) SSS | 5. b) SAS | 6. d) Yes, SAS |
| 7. c) SAS | 8. c) equiangular equilateral | 9. c) Congruent by SAS |
| 10. c) Yes By ASA | 11. a) SSS | 12. c) ASA |
| 13. - ASA, - SSS, -
Not Congruent, - HL | 14. d) SSS | 15. b) AAS |
| 16. c) Not Possible | 17. d) Not necessarily
congruent | 18. d) SAS |
| 19. c) SSS | 20. c) SAS | 21. b) AAS |
| 22. a) ASA | 23. c) SSS | 24. b) SSS |
| 25. d) SAS | 26. d) Not Possible | 27. a) SSS |



Unleashing Innovation Through STEM Education

www.stemscholarshub.net