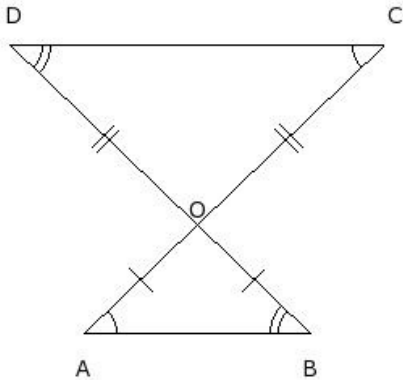


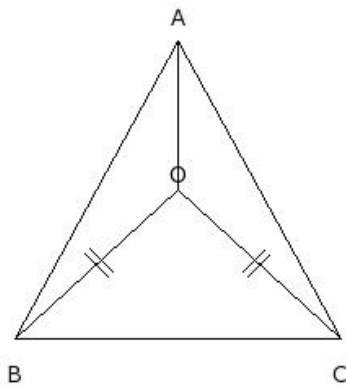


1. With the data in the figure, $\triangle AOB \cong \triangle COD$ by which property?



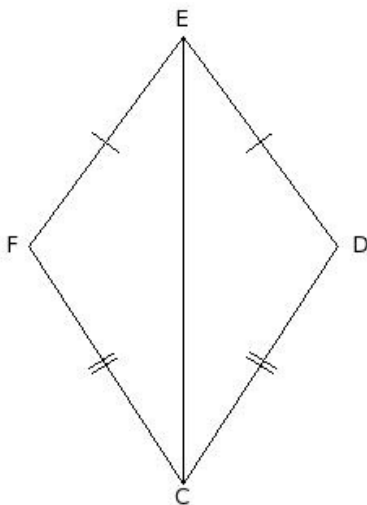
- (i) ASA Congruency (ii) RHS Congruency (iii) SSS Congruency (iv) not congruent (v) SAS Congruency

2. With the data in the given figure, $\triangle AOB \cong \triangle AOC$ by which property?



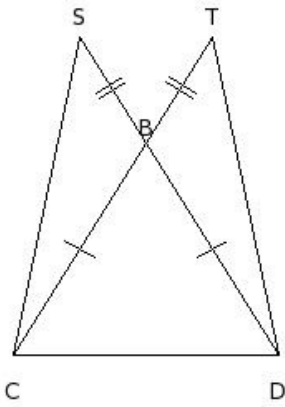
- (i) SAS Congruency (ii) ASA Congruency (iii) SSS Congruency (iv) RHS Congruency (v) not congruent

3. With the data in the given figure, $\triangle CFE \cong \triangle CDE$ by which property?



- (i) not congruent (ii) SSS Congruency (iii) ASA Congruency (iv) RHS Congruency (v) SAS Congruency

4. With the data in the given figure, $\triangle SCD \cong \triangle TDC$ by which property?



- (i) not congruent (ii) SAS Congruency (iii) RHS Congruency (iv) SSS Congruency (v) ASA Congruency

5. In the given figure, which pair of triangles are not congruent ?

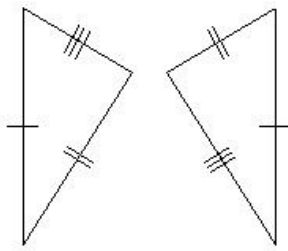


fig 3

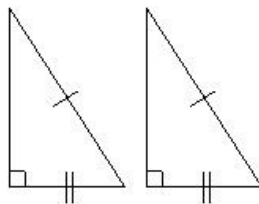


fig 4

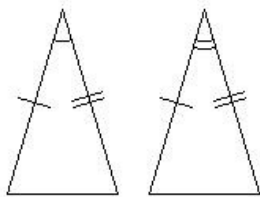


fig 1

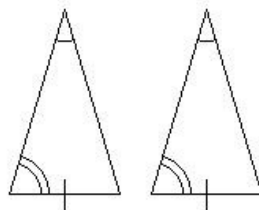


fig 2

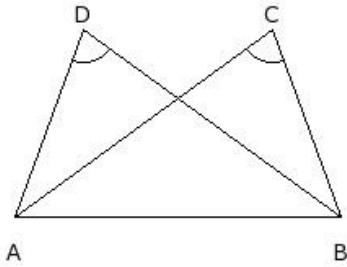
- (i) fig 2 (ii) fig 3 (iii) fig 1 (iv) fig 4

6. Which of the following are true?

- a) Any two squares are congruent.
- b) Any two circles are congruent.
- c) Any two triangles are congruent.
- d) Any two triangles are similar.
- e) Any two circles are similar.
- f) Any two squares are similar.

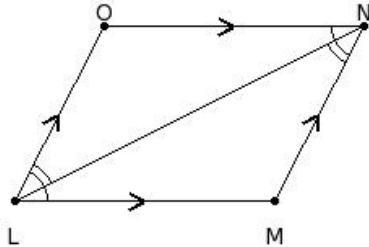
- (i) {a,f,e} (ii) {e,f} (iii) {c,d,e} (iv) {a,e} (v) {b,f}

7. With the data in the figure, $\triangle ABD \cong \triangle BAC$ by which property?



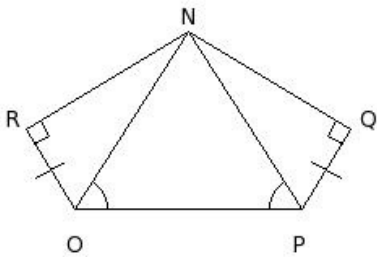
- (i) not congruent (ii) SSS Congruency (iii) SAS Congruency (iv) ASA Congruency (v) RHS Congruency

8. With the given data in the figure, $\triangle LMN \cong \triangle NOL$ by which property?



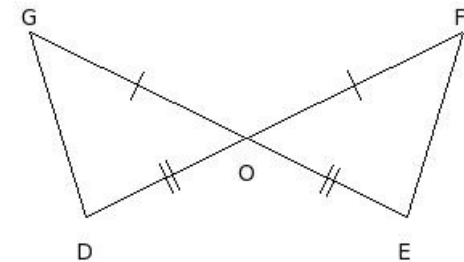
- (i) ASA Congruency (ii) RHS Congruency (iii) SSS Congruency (iv) SAS Congruency (v) not congruent

9. With the data in the given figure, $\triangle NOR \cong \triangle NPQ$ by which property?



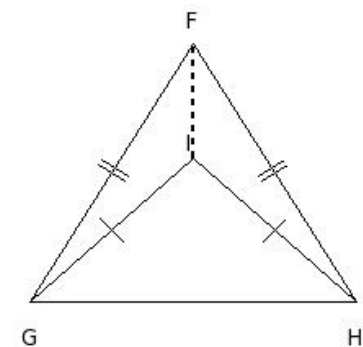
- (i) SAS Congruency (ii) SSS Congruency (iii) ASA Congruency (iv) not congruent (v) RHS Congruency

10. With the data in the given figure, $\triangle DGO \cong \triangle EFO$ by which property?



- (i) RHS Congruency (ii) SAS Congruency (iii) SSS Congruency (iv) ASA Congruency (v) not congruent

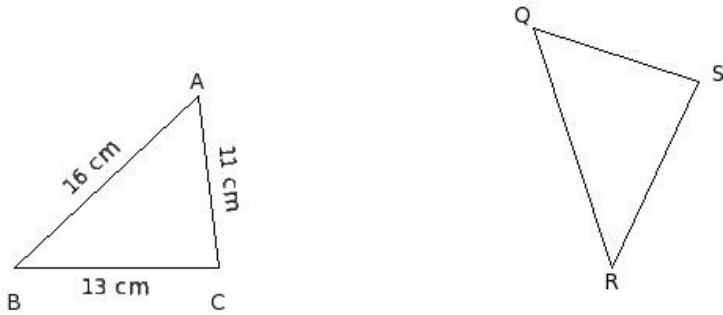
11. With the data in the given figure, $\triangle FIG \cong \triangle FIH$ by which property?



- (i) SSS Congruency (ii) RHS Congruency (iii) SAS Congruency (iv) ASA Congruency (v) not congruent

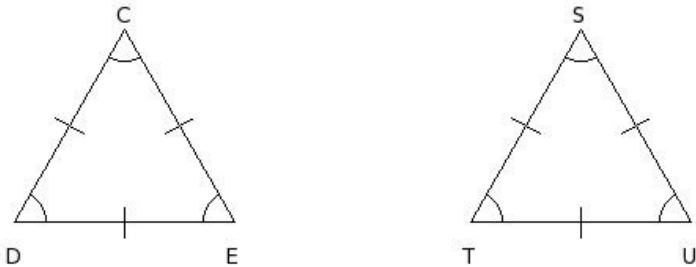
12. In the given figure, $\triangle ABC \cong \triangle QRS$. Which of the following are true?

- a) $QR = 16$ cm
- b) $RS = 13$ cm
- c) $SQ = 16$ cm
- d) $QR = 13$ cm
- e) $SQ = 11$ cm
- f) $RS = 16$ cm



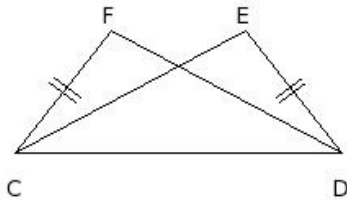
- (i) {d,b} (ii) {d,a,b} (iii) {a,b,e} (iv) {f,c,e} (v) {c,a}

13. In the given figure, which of the following is true?



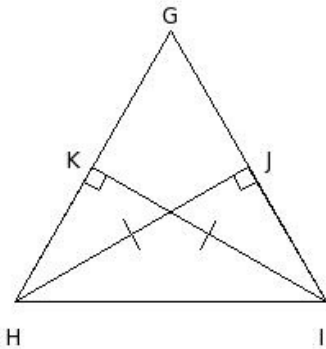
- (i) $\triangle CDE \cong \triangle UTS$ (ii) $\triangle CDE \cong \triangle STU$ (iii) $\triangle CDE \cong \triangle UST$ (iv) $\triangle DEC \cong \triangle STU$ (v) $\triangle CDE \cong \triangle TUS$

14. With the data in the figure, $\triangle CFD \cong \triangle DEC$ by which property?



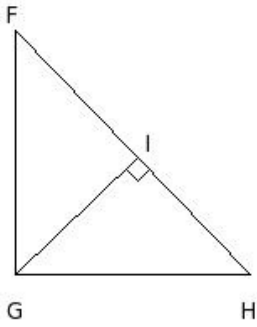
- (i) SAS Congruency (ii) SSS Congruency (iii) not congruent (iv) ASA Congruency (v) RHS Congruency

15. With the data in the given figure, $\triangle HJI \cong \triangle IKH$ by which property?



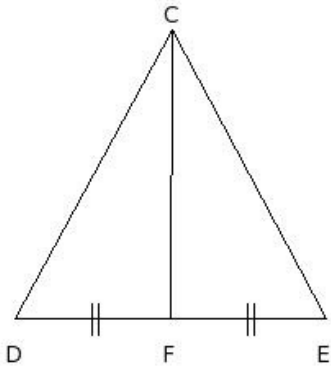
- (i) SSS Congruency (ii) RHS Congruency (iii) ASA Congruency (iv) not congruent (v) SAS Congruency

16. With the data in the figure, $\triangle FGI \cong \triangle HGI$ by which property?



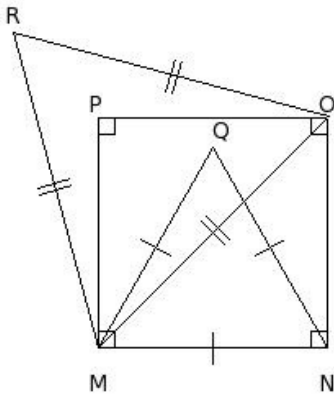
- (i) RHS Congruency (ii) SAS Congruency (iii) SSS Congruency (iv) ASA Congruency (v) not congruent

17. With the data in the figure, $\triangle CFD \cong \triangle CFE$ by which property?



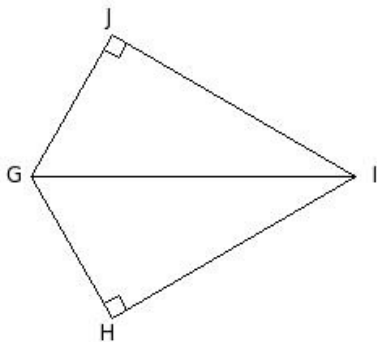
- (i) not congruent (ii) SSS Congruency (iii) RHS Congruency (iv) SAS Congruency (v) ASA Congruency

18. With the data in the figure, $\triangle MNQ \cong \triangle MOR$ by which property?



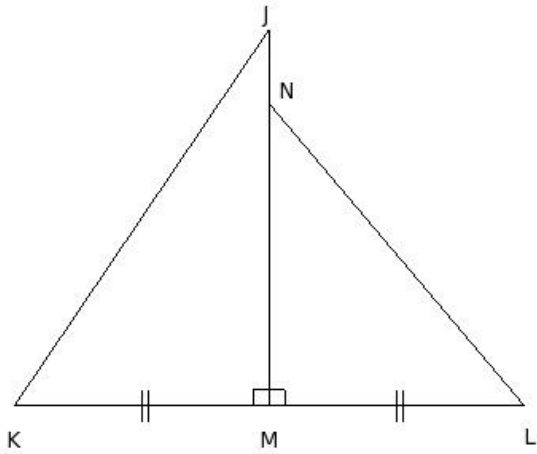
- (i) RHS Congruency (ii) SAS Congruency (iii) SSS Congruency (iv) not congruent (v) ASA Congruency

19. With the data in the figure, $\triangle GIJ \cong \triangle GIH$ by which property?



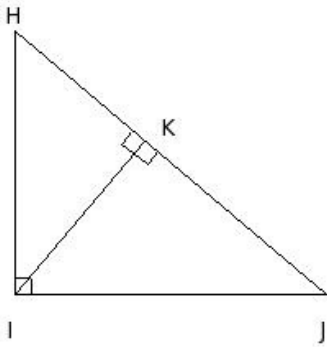
- (i) not congruent (ii) ASA Congruency (iii) SAS Congruency (iv) SSS Congruency (v) RHS Congruency

20. With the data in the figure, $\triangle JKM \cong \triangle NLM$ by which property?



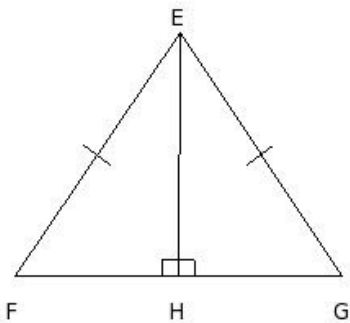
- (i) SAS Congruency (ii) not congruent (iii) SSS Congruency (iv) ASA Congruency (v) RHS Congruency

21. With the data in the figure, $\triangle HKI \cong \triangle JKI$ by which property?



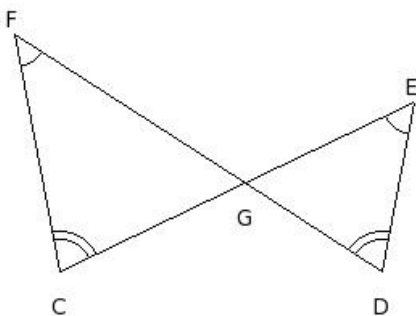
- (i) not congruent (ii) SAS Congruency (iii) RHS Congruency (iv) SSS Congruency (v) ASA Congruency

22. With the data in the given figure, $\triangle EFH \cong \triangle EGH$ by which property?



- (i) SSS Congruency (ii) RHS Congruency (iii) SAS Congruency (iv) not congruent (v) ASA Congruency

23. With the data in the figure, $\triangle CGF \cong \triangle DGE$ by which property?



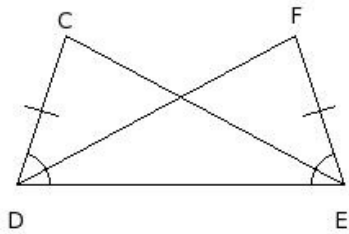
- (i) ASA Congruency (ii) SAS Congruency (iii) RHS Congruency (iv) SSS Congruency (v) not congruent

24. Which of the following are true?

- a) A semi-circle is a polygonal region.
- b) A sector is a polygonal region.
- c) A triangle is a polygonal region.
- d) A circle is a polygonal region.
- e) A square is a polygonal region.

(i) {c,e} (ii) {a,c} (iii) {b,e,c} (iv) {b,e} (v) {d,a,c}

25. With the given data in the figure, $\triangle CDE \cong \triangle FED$ by which property?



(i) RHS Congruency (ii) SSS Congruency (iii) ASA Congruency (iv) SAS Congruency (v) not congruent

Assignment Key

1) (iv)	2) (v)	3) (ii)	4) (ii)	5) (iii)	6) (ii)
7) (i)	8) (i)	9) (v)	10) (ii)	11) (i)	12) (iii)
13) (ii)	14) (iii)	15) (ii)	16) (v)	17) (i)	18) (iv)
19) (i)	20) (ii)	21) (i)	22) (ii)	23) (v)	24) (i)
25) (iv)					