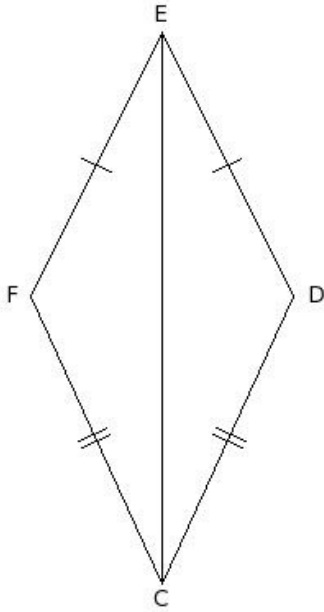


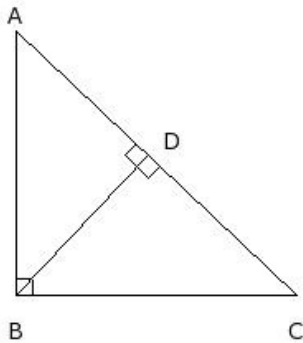


1. With the data in the given figure, $\triangle CFE \cong \triangle CDE$ by which property?



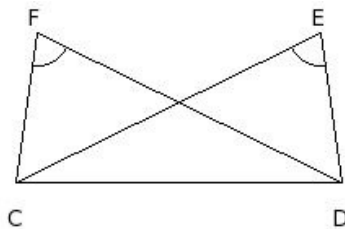
- (i) SAS Congruency (ii) SSS Congruency (iii) not congruent (iv) RHS Congruency (v) ASA Congruency

2. With the data in the figure, $\triangle ADB \cong \triangle CDB$ by which property?



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

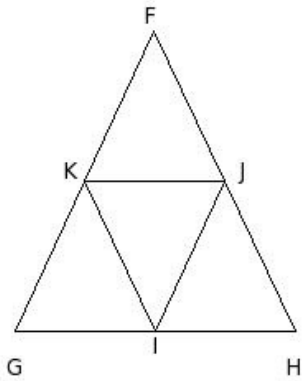
3. With the data in the figure, $\triangle CDF \cong \triangle DCE$ by which property?



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

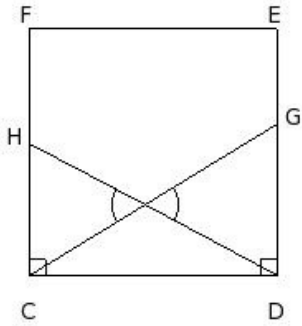
4. In the given figure, points I, J and K are the mid-points of sides GH, HF and FG of $\triangle FGH$. Which of the following are true?

- a) $\triangle FKJ \cong \triangle JIH$
- b) $\triangle FKJ \cong \triangle IJK$
- c) $\triangle KGI \cong \triangle IJK$
- d) $\triangle KGI \cong \triangle FKJ$
- e) $\triangle FKJ \cong \triangle IKJ$



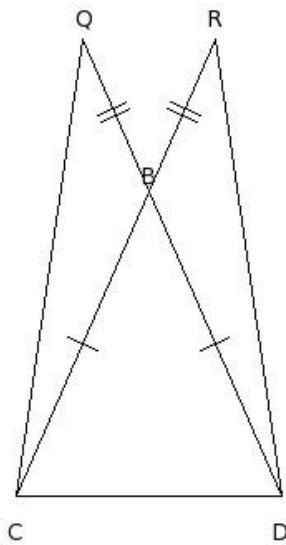
- (i) $\{e, d, a\}$ (ii) $\{e, b\}$ (iii) $\{e, c\}$ (iv) $\{e, a\}$ (v) $\{a, b, c, d\}$

5. With the data in the figure, $\triangle CDG \cong \triangle DCH$ by which property?



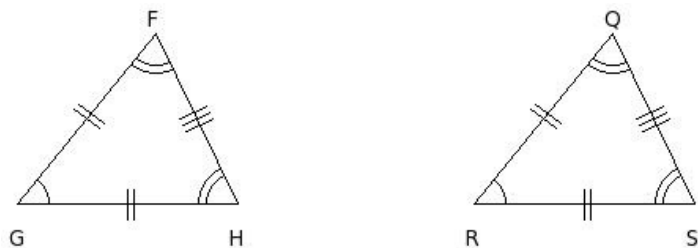
- (i) ASA Congruency (ii) RHS Congruency (iii) not congruent (iv) SAS Congruency (v) SSS Congruency

6. With the data in the given figure, $\triangle QCD \cong \triangle RDC$ by which property?



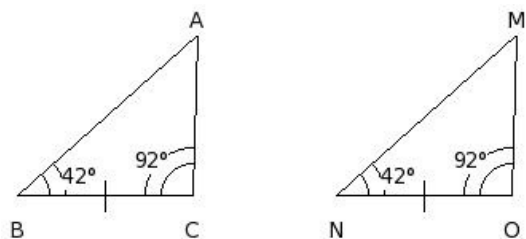
- (i) RHS Congruency (ii) SSS Congruency (iii) ASA Congruency (iv) SAS Congruency (v) not congruent

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



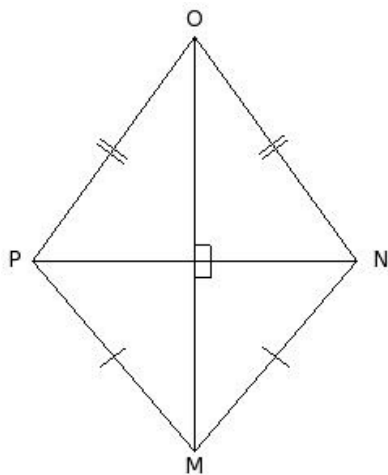
- (i) $\triangle FGH \cong \triangle RSQ$ (ii) $\triangle FGH \cong \triangle SQR$ (iii) $\triangle FGH \cong \triangle SRQ$ (iv) $\triangle GHF \cong \triangle QRS$ (v) $\triangle FGH \cong \triangle QRS$

8. Identify the property by which the two given triangles are congruent



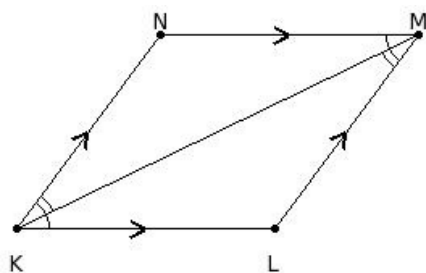
- (i) SSS Congruency (ii) ASA Congruency (iii) RHS Congruency (iv) SAS Congruency

9. With the data in the given figure, $\triangle MNP \cong \triangle ONP$ by which property?



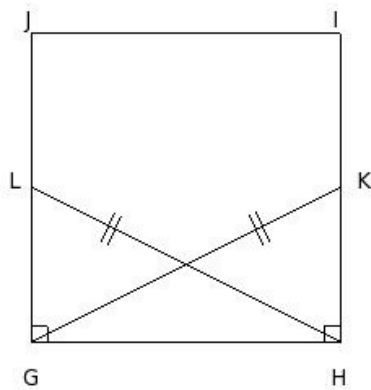
- (i) ASA Congruency (ii) RHS Congruency (iii) SAS Congruency (iv) not congruent (v) SSS Congruency

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



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

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

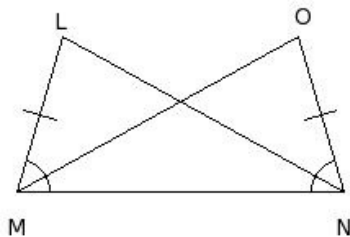


- (i) not congruent (ii) SSS Congruency (iii) ASA Congruency (iv) RHS Congruency (v) SAS Congruency

12. Which of the following are true?

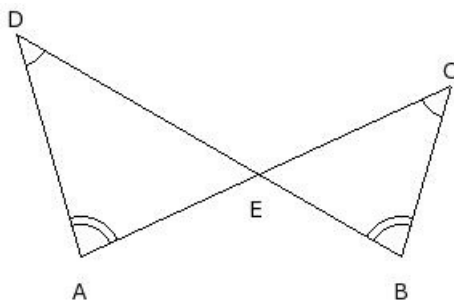
- a) Similar figures have same area.
 - b) If two figures are similar, then they are congruent too.
 - c) If two figures are congruent, then they are similar too.
 - d) Congruent figures have same area.
 - e) Similar and congruent are not synonymous.
- (i) {a,c} (ii) {a,b,e} (iii) {b,d} (iv) {a,c,d} (v) {c,d,e}

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



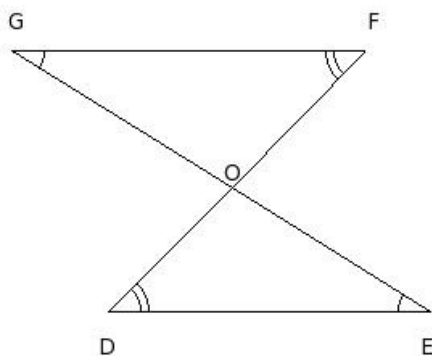
- (i) not congruent (ii) ASA Congruency (iii) SSS Congruency (iv) RHS Congruency (v) SAS Congruency

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



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

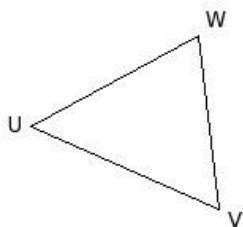
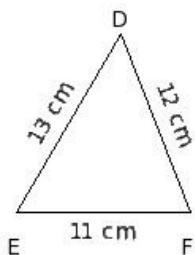
15. With the data in the figure, $\triangle DOE \cong \triangle FOG$ by which property?



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

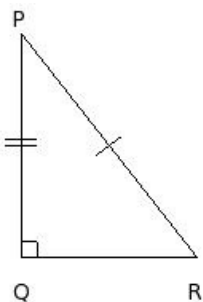
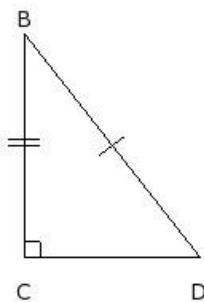
16. In the given figure, $\triangle DEF \cong \triangle UVW$. Which of the following are true?

- a) $UV = 13$ cm
- b) $WU = 12$ cm
- c) $WU = 13$ cm
- d) $VW = 11$ cm
- e) $VW = 13$ cm
- f) $UV = 11$ cm



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

17. Identify the property by which the two given triangles are congruent



- (i) SSS Congruency (ii) RHS Congruency (iii) ASA Congruency (iv) SAS Congruency

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

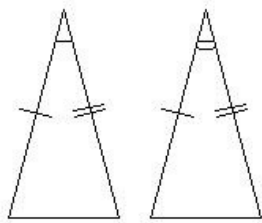


fig 3

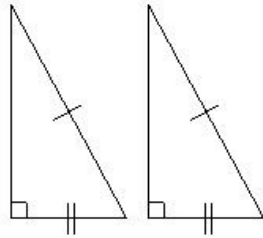


fig 4

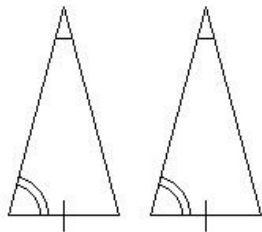


fig 1

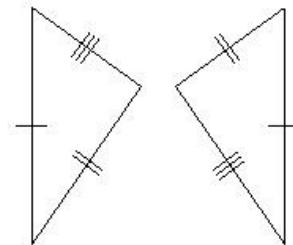
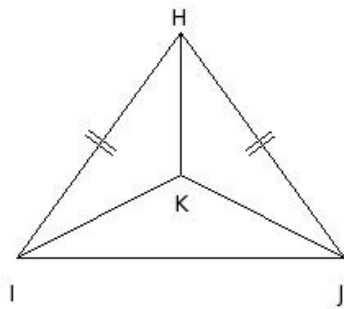


fig 2

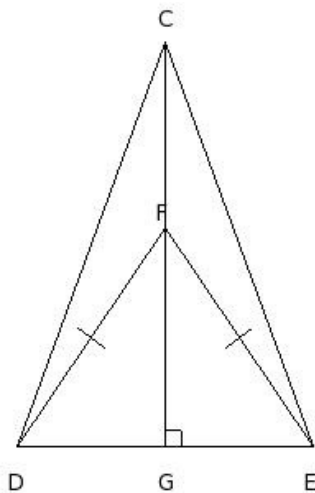
(i) fig 2 (ii) fig 3 (iii) fig 1 (iv) fig 4

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



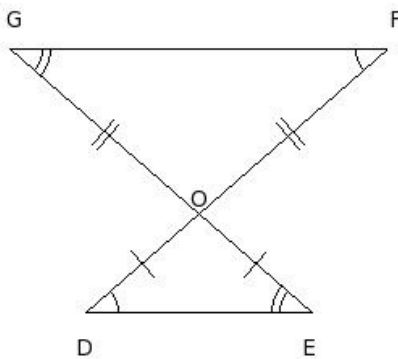
(i) not congruent (ii) SSS Congruency (iii) RHS Congruency (iv) ASA Congruency (v) SAS Congruency

20. In the given figure, $\triangle FDE$ is an isosceles triangle. $CG \perp DE$ passing through F. $\triangle CFD \cong \triangle CFE$ by which property?



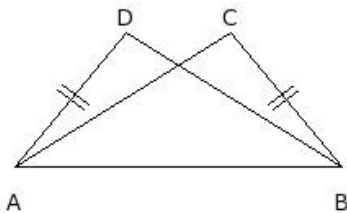
(i) ASA Congruency (ii) RHS Congruency (iii) SAS Congruency (iv) not congruent (v) SSS Congruency

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



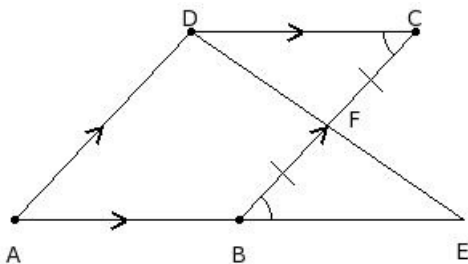
- (i) ASA Congruency (ii) SSS Congruency (iii) SAS Congruency (iv) RHS Congruency (v) not congruent

22. With the data in the figure, $\triangle ADB \cong \triangle BCA$ by which property?



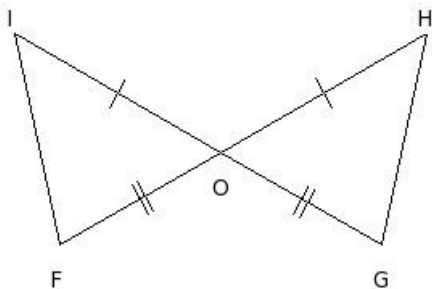
- (i) ASA Congruency (ii) not congruent (iii) SSS Congruency (iv) RHS Congruency (v) SAS Congruency

23. With the given data in the figure, $\triangle DCF \cong \triangle EBF$ by which property?



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

24. With the data in the given figure, $\triangle FIO \cong \triangle GHO$ by which property?



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

25. Which of the following are true?

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

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

Assignment Key

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