EduSahara™ Assignment

Name : Rhombus Properties Using Diagrams

Chapter : Quadrilaterals

Grade : ICSE Grade VII

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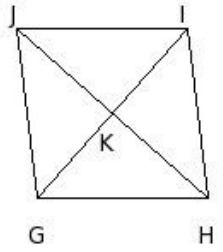
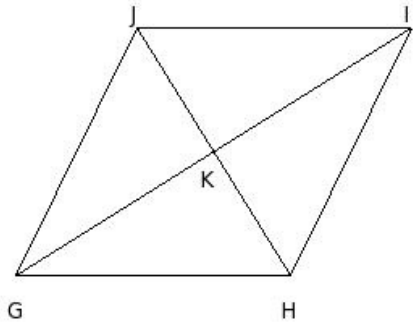
1. In rhombus $GHIJ$, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then $\overline{GH} \parallel$



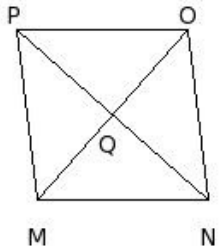
(i) $\overline{IJ}$ (ii) $\overline{HI}$ (iii) $\overline{HJ}$ (iv) $\overline{JG}$

2. In rhombus $GHIJ$, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then $\overline{IJ} \parallel$



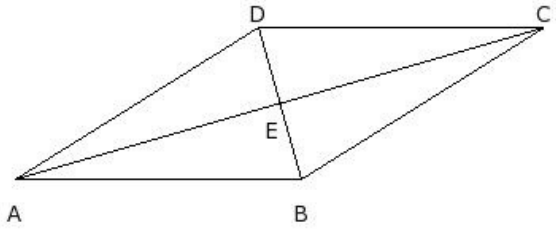
(i) $\overline{JG}$ (ii) $\overline{HJ}$ (iii) $\overline{HI}$ (iv) $\overline{GH}$

3. In rhombus $MNOP$, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then $\overline{PM} \parallel$



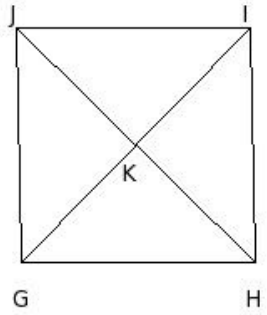
(i) $\overline{NP}$ (ii) $\overline{NO}$ (iii) $\overline{MN}$ (iv) $\overline{OP}$

4. In rhombus $ABCD$, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\overline{BC} \parallel$



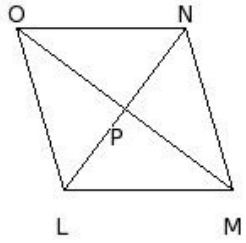
(i) $\overline{DA}$ (ii) $\overline{AB}$ (iii) $\overline{CD}$ (iv) $\overline{BD}$

5. In rhombus GHIJ, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then GH ≠



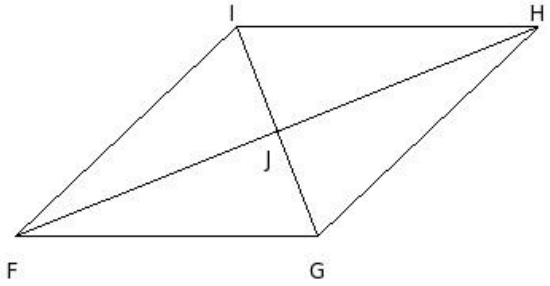
(i) IJ (ii) HI (iii) HJ (iv) JG

6. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then NO ≠



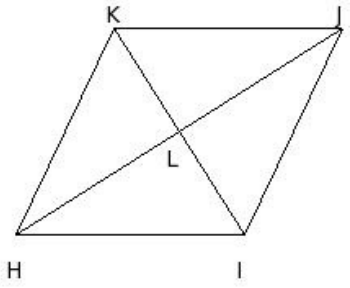
(i) MN (ii) LM (iii) MO (iv) OL

7. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then IF ≠



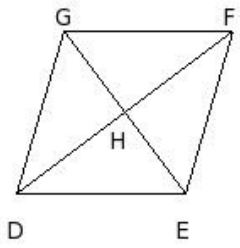
(i) FG (ii) GI (iii) GH (iv) HI

8. In rhombus HIJK, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then IJ ≠



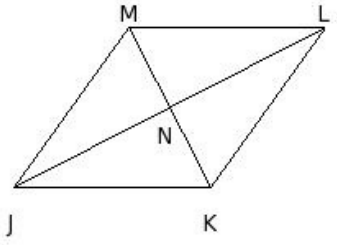
(i) JK (ii) IK (iii) HI (iv) KH

9. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then △GDE ≅



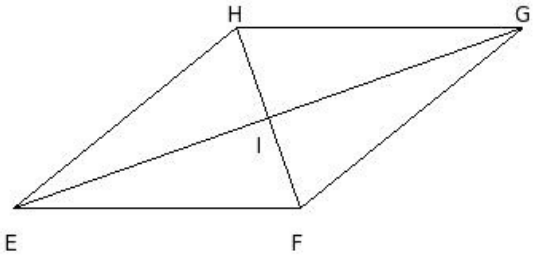
(i) △EFG (ii) △DEF (iii) △HDE (iv) △FGD

10. In rhombus JKLM, diagonals $\overline{JL}$ and $\overline{KM}$ intersect at N. Then $\triangle KLM \cong$



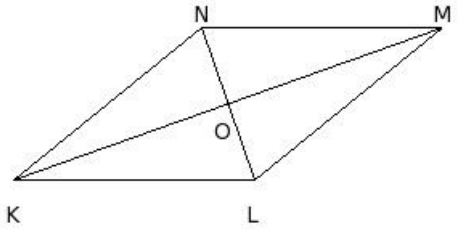
(i) $\triangle NJK$ (ii) $\triangle LMJ$ (iii) $\triangle MJK$ (iv) $\triangle JKL$

11. In rhombus EFGH, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $\triangle GHE \cong$



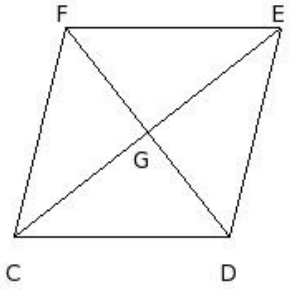
(i) $\triangle EFG$ (ii) $\triangle FGH$ (iii) $\triangle IEF$ (iv) $\triangle HEF$

12. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then $\triangle KLM \cong$



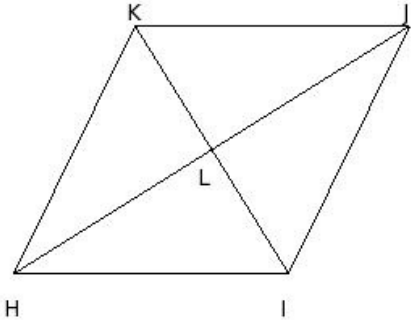
(i) $\triangle MNK$ (ii) $\triangle LMN$ (iii) $\triangle OKL$ (iv) $\triangle NKL$

13. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then $\triangle GCD \ncong$



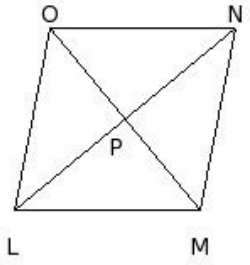
(i) $\triangle GCF$ (ii) $\triangle FCD$ (iii) $\triangle GEF$ (iv) $\triangle GED$

14. In rhombus HIJK, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then $\triangle LJI \ncong$



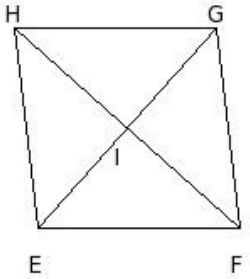
(i) $\triangle LJK$ (ii) $\triangle LHK$ (iii) $\triangle KHI$ (iv) $\triangle LHI$

15. In rhombus $LMNO$, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\triangle PNO \not\cong$



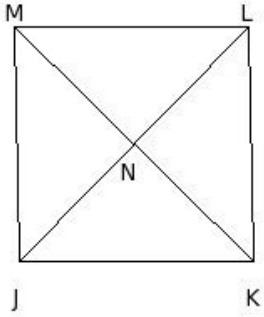
(i) $\triangle PLO$ (ii) $\triangle PNM$ (iii) $\triangle PLM$ (iv) $\triangle OLM$

16. In rhombus $EFGH$, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $\triangle IEH \not\cong$



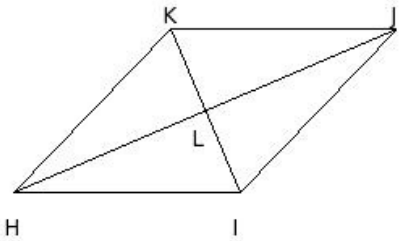
(i) $\triangle IGH$ (ii) $\triangle HEF$ (iii) $\triangle IGF$ (iv) $\triangle IEF$

17. In rhombus $JKLM$, diagonals $\overline{JL}$ and $\overline{KM}$ intersect at N. Then $\angle MJK =$



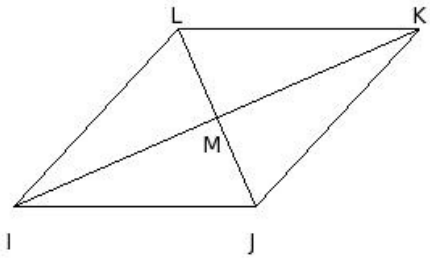
(i) $\angle JKL$ (ii) $\angle LMJ$ (iii) $\angle KLM$ (iv) $\angle JKN$

18. In rhombus $HIJK$, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then $\angle IJK =$



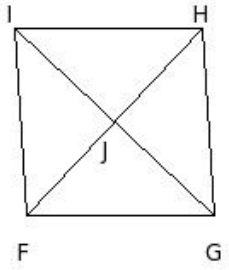
(i) $\angle JKH$ (ii) $\angle HIJ$ (iii) $\angle KHI$ (iv) $\angle HIL$

19. In rhombus $IJKL$, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $\angle IJK =$



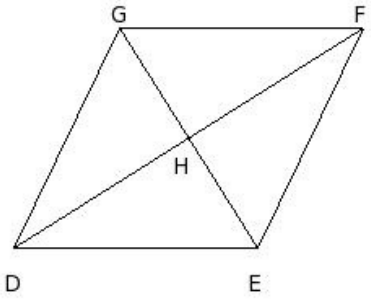
(i) $\angle LIJ$ (ii) $\angle KLI$ (iii) $\angle JKL$ (iv) $\angle IJM$

20. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\angle HIF =$



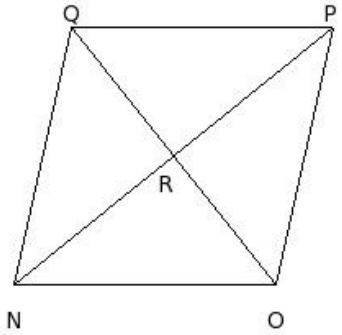
(i) $\angle IFG$ (ii) $\angle GHI$ (iii) $\angle FGH$ (iv) $\angle FGJ$

21. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $\angle EHD \neq$



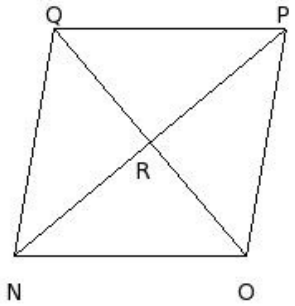
(i) $\angle GDE$ (ii) $\angle DHG$ (iii) $\angle GHF$ (iv) $\angle FHE$

22. In rhombus NOPQ, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then $\angle QRP \neq$



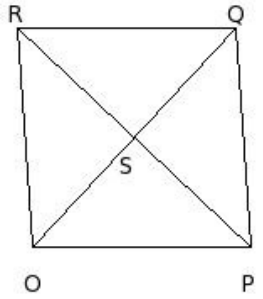
(i) $\angle ORN$ (ii) $\angle NRQ$ (iii) $\angle PRO$ (iv) $\angle QNO$

23. In rhombus NOPQ, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then $\angle NRQ \neq$



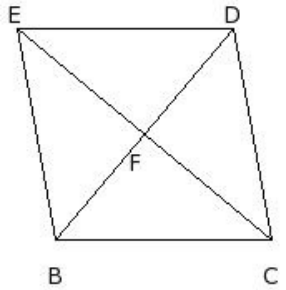
(i) $\angle ORN$ (ii) $\angle PRO$ (iii) $\angle QRP$ (iv) $\angle QNO$

24. In rhombus $OPQR$, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\angle QSP \neq$



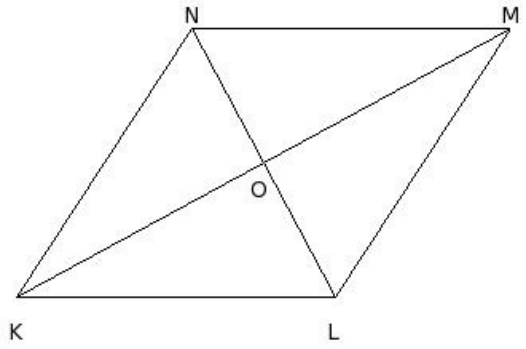
(i) $\angle RSQ$ (ii) $\angle PSO$ (iii) $\angle ROP$ (iv) $\angle OSR$

25. In rhombus $BCDE$, diagonals $\overline{BD}$ and $\overline{CE}$ intersect at F. Then $\angle FBC \neq$



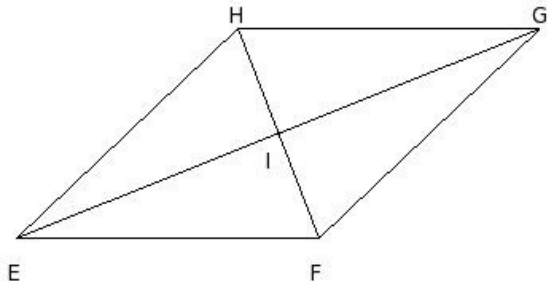
(i) $\angle FDE$ (ii) $\angle EBF$ (iii) $\angle CDF$ (iv) $\angle BFE$

26. In rhombus $KLMN$, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then $\angle OMN \neq$



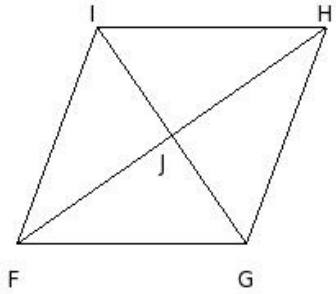
(i) $\angle NKO$ (ii) $\angle KON$ (iii) $\angle LMO$ (iv) $\angle OKL$

27. In rhombus $EFGH$, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $\angle HEI \neq$



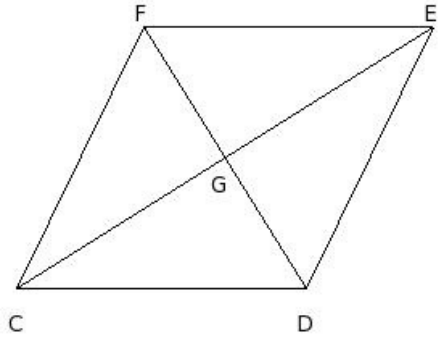
(i) $\angle EIH$ (ii) $\angle IGH$ (iii) $\angle IEF$ (iv) $\angle FGI$

28. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\angle GHJ \neq$



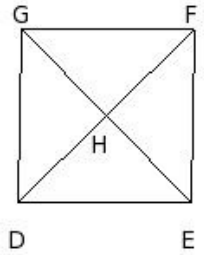
(i) $\angle JFG$ (ii) $\angle JHI$ (iii) $\angle FJI$ (iv) $\angle IFJ$

29. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then $\angle GFC \neq$



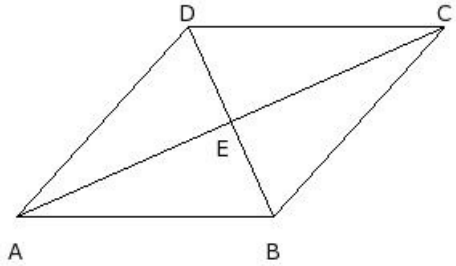
(i) $\angle FGE$ (ii) $\angle CDG$ (iii) $\angle GDE$ (iv) $\angle EFG$

30. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $\angle HEF \neq$



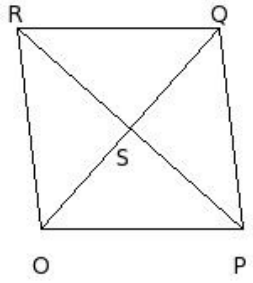
(i) $\angle GHF$ (ii) $\angle HGD$ (iii) $\angle DEH$ (iv) $\angle FGH$

31. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\angle ABE \neq$



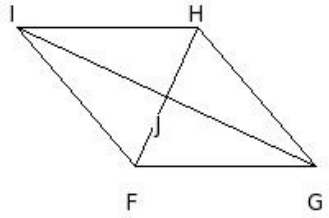
(i) $\angle EBC$ (ii) $\angle EDA$ (iii) $\angle CDE$ (iv) $\angle DEC$

32. In rhombus $OPQR$, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\angle QRS \neq$



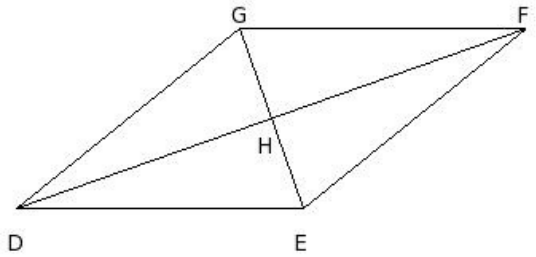
(i) $\angle SPQ$ (ii) $\angle OPS$ (iii) $\angle SRO$ (iv) $\angle RSQ$

33. In rhombus $FGHI$, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $IJ =$



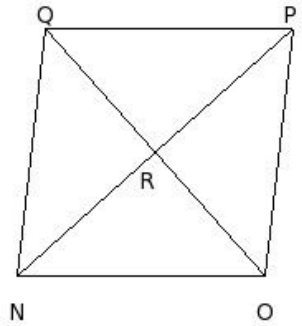
(i) GJ (ii) IF (iii) HJ (iv) FJ

34. In rhombus $DEFG$, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $EH =$



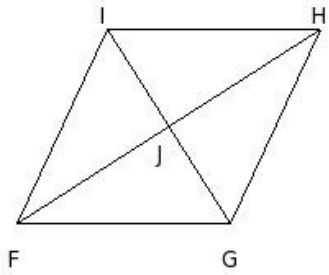
(i) GD (ii) FH (iii) GH (iv) DH

35. In rhombus $NOPQ$, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then $NR =$



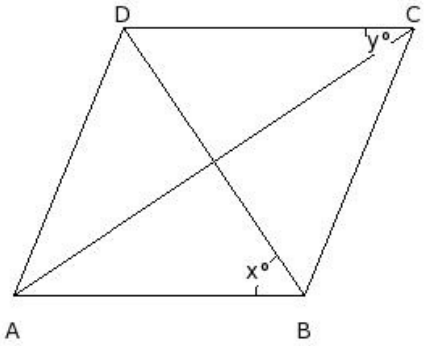
(i) OR (ii) QR (iii) PR (iv) QN

36. In rhombus $FGHI$, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $HJ =$



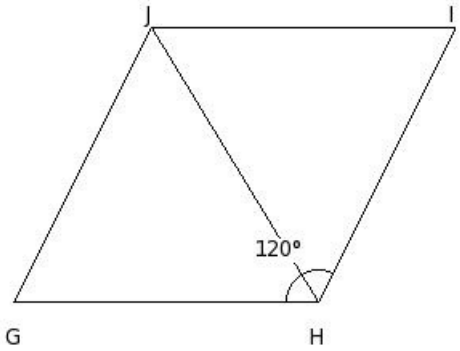
(i) FJ (ii) IJ (iii) GJ (iv) IF

37. In the given figure, ABCD is a rhombus. Given x = 56°, find the value of 'y'.



(i) 35° (ii) 36° (iii) 33° (iv) 32° (v) 34°

38. In the given figure, GHIJ is a rhombus such that ∠H = 120°. Then △GHJ is



(i) Isosceles triangle (ii) Obtuse angled triangle (iii) Right angled triangle (iv) Equilateral triangle

Assignment Key

1) (i)	2) (iv)	3) (ii)	4) (i)	5) (iii)	6) (iii)
7) (ii)	8) (ii)	9) (i)	10) (iii)	11) (i)	12) (i)
13) (ii)	14) (iii)	15) (iv)	16) (ii)	17) (iii)	18) (iii)
19) (ii)	20) (iii)	21) (i)	22) (iv)	23) (iv)	24) (iii)
25) (iv)	26) (ii)	27) (i)	28) (iii)	29) (i)	30) (i)
31) (iv)	32) (iv)	33) (i)	34) (iii)	35) (iii)	36) (i)
37) (v)	38) (iv)				

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