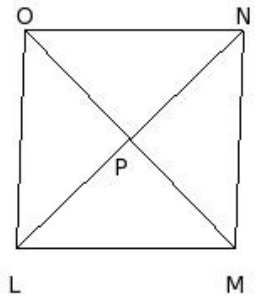
EduSahara™ Assignment

Name : Rhombus Properties Using Diagrams

Chapter : Quadrilaterals

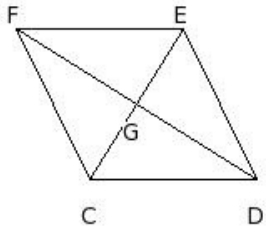
Grade : ICSE Grade VII

1. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\overline{LM} \parallel$



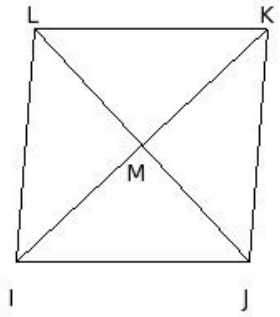
(i) $\overline{MN}$ (ii) $\overline{OL}$ (iii) $\overline{MO}$ (iv) $\overline{NO}$

2. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then $\overline{EF} \parallel$



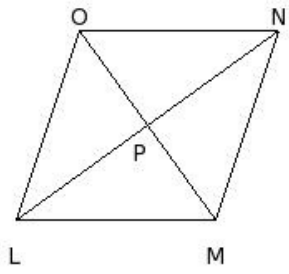
(i) $\overline{DE}$ (ii) $\overline{CD}$ (iii) $\overline{FC}$ (iv) $\overline{DF}$

3. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $\overline{LI} \parallel$



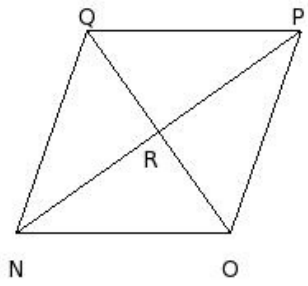
(i) $\overline{KL}$ (ii) $\overline{JK}$ (iii) $\overline{IJ}$ (iv) $\overline{JL}$

4. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\overline{MN} \parallel$



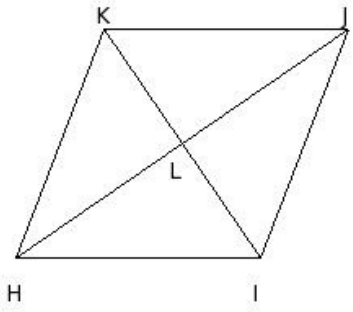
(i) $\overline{LM}$ (ii) $\overline{MO}$ (iii) $\overline{NO}$ (iv) $\overline{OL}$

5. In rhombus NOPQ, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then NO ≠



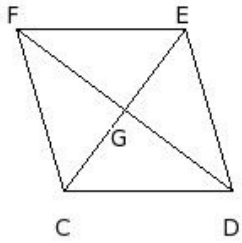
(i) OP (ii) OQ (iii) QN (iv) PQ

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



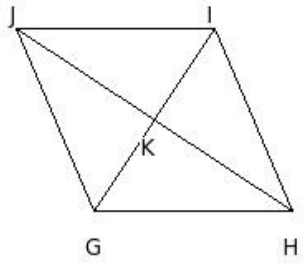
(i) IK (ii) KH (iii) HI (iv) IJ

7. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then FC ≠



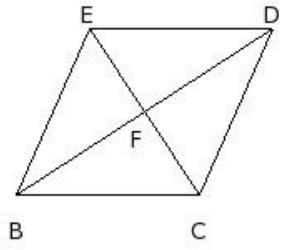
(i) CD (ii) DE (iii) DF (iv) EF

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



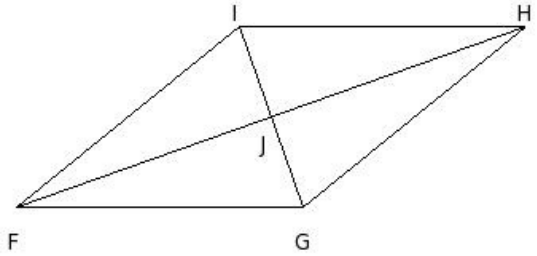
(i) JG (ii) GH (iii) HJ (iv) IJ

9. In rhombus BCDE, diagonals $\overline{BD}$ and $\overline{CE}$ intersect at F. Then △EBC ≅



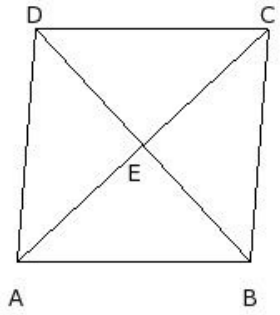
(i) △CDE (ii) △BCD (iii) △DEB (iv) △FBC

10. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\triangle GHI \cong$



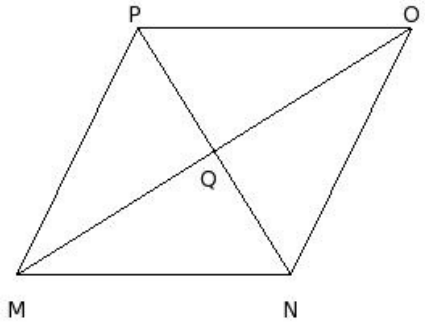
(i) $\triangle JFG$ (ii) $\triangle FGH$ (iii) $\triangle HIF$ (iv) $\triangle IFG$

11. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\triangle CDA \cong$



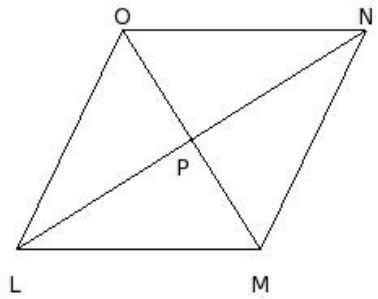
(i) $\triangle BCD$ (ii) $\triangle EAB$ (iii) $\triangle DAB$ (iv) $\triangle ABC$

12. In rhombus MNOP, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then $\triangle MNO \cong$



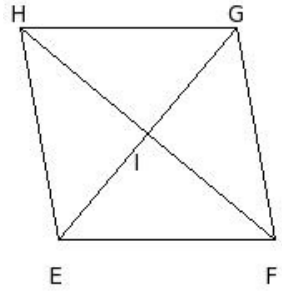
(i) $\triangle NOP$ (ii) $\triangle OPM$ (iii) $\triangle QMN$ (iv) $\triangle PMN$

13. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\triangle PLM \ncong$



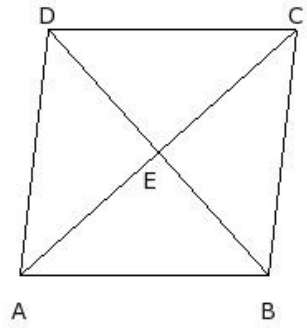
(i) $\triangle OLM$ (ii) $\triangle PNO$ (iii) $\triangle PLO$ (iv) $\triangle PNM$

14. In rhombus EFGH, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $\triangle IGF \ncong$



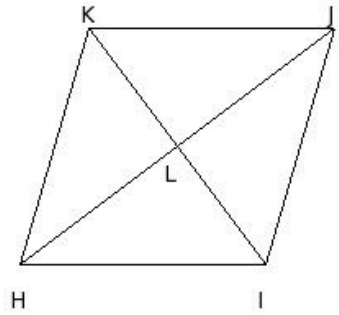
(i) $\triangle HEF$ (ii) $\triangle IEH$ (iii) $\triangle IGH$ (iv) $\triangle IEF$

15. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\triangle ECD \ncong$



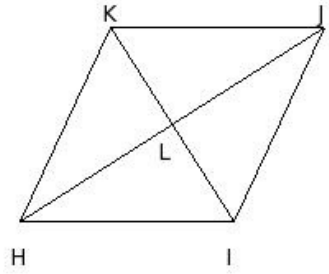
(i) $\triangle ECB$ (ii) $\triangle EAD$ (iii) $\triangle DAB$ (iv) $\triangle EAB$

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



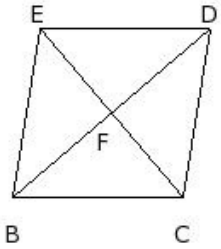
(i) $\triangle LJK$ (ii) $\triangle LJI$ (iii) $\triangle LHI$ (iv) $\triangle KHI$

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



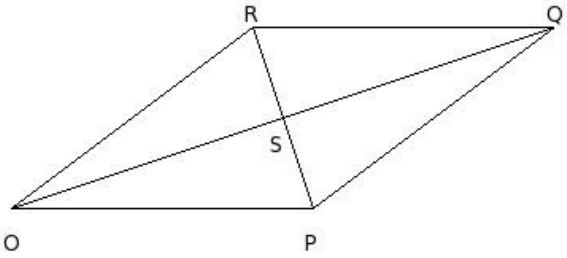
(i) $\angle JKH$ (ii) $\angle HIJ$ (iii) $\angle HIL$ (iv) $\angle IJK$

18. In rhombus BCDE, diagonals $\overline{BD}$ and $\overline{CE}$ intersect at F. Then $\angle CDE =$



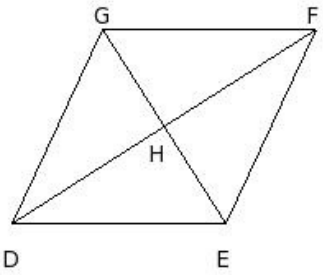
(i) $\angle EBC$ (ii) $\angle BCD$ (iii) $\angle BCF$ (iv) $\angle DEB$

19. In rhombus OPQR, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\angle OPQ =$



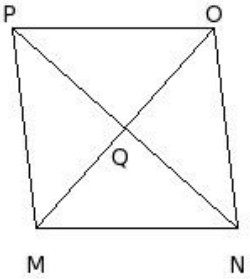
(i) $\angle QRO$ (ii) $\angle ROP$ (iii) $\angle PQR$ (iv) $\angle OPS$

20. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $\angle FGD =$



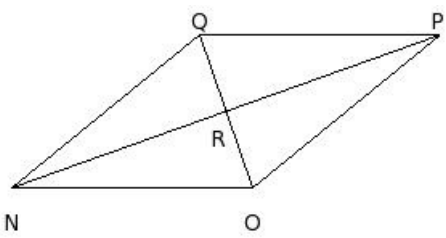
(i) $\angle EFG$ (ii) $\angle GDE$ (iii) $\angle DEH$ (iv) $\angle DEF$

21. In rhombus MNOP, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then $\angle NQM \neq$



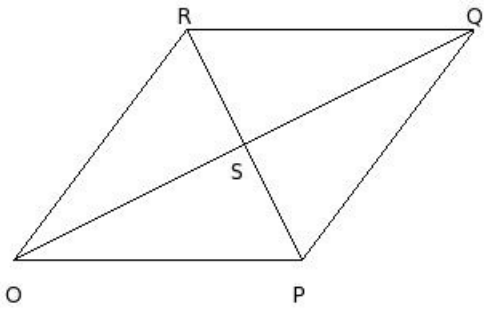
(i) $\angle PMN$ (ii) $\angle PQO$ (iii) $\angle OQN$ (iv) $\angle MQP$

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



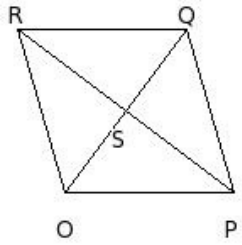
(i) $\angle PRO$ (ii) $\angle QNO$ (iii) $\angle ORN$ (iv) $\angle NRQ$

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



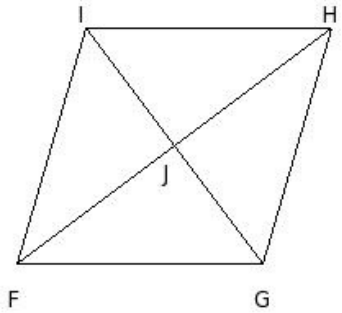
(i) $\angle QSP$ (ii) $\angle PSO$ (iii) $\angle ROP$ (iv) $\angle RSQ$

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



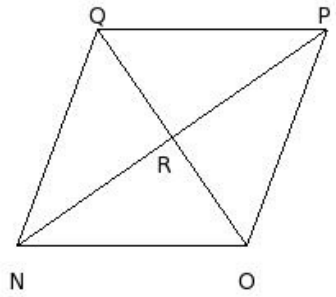
(i) $\angle PSO$ (ii) $\angle OSR$ (iii) $\angle RSQ$ (iv) $\angle ROP$

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



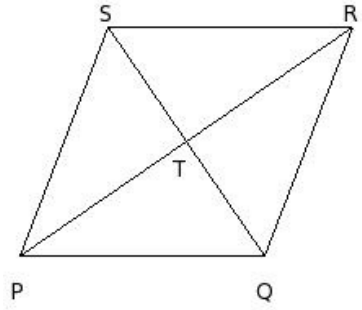
(i) $\angle GHJ$ (ii) $\angle FJI$ (iii) $\angle JHI$ (iv) $\angle IFJ$

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



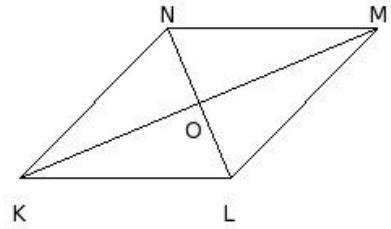
(i) $\angle OPR$ (ii) $\angle NRQ$ (iii) $\angle QNR$ (iv) $\angle RNO$

27. In rhombus PQRS, diagonals $\overline{PR}$ and $\overline{QS}$ intersect at T. Then $\angle SPT \neq$



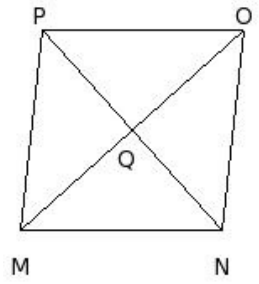
(i) $\angle PTS$ (ii) $\angle TPQ$ (iii) $\angle QRT$ (iv) $\angle TRS$

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



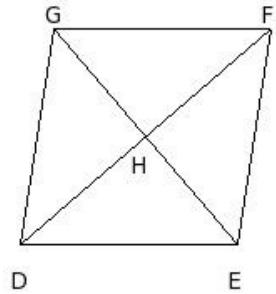
(i) $\angle NKO$ (ii) $\angle KON$ (iii) $\angle OKL$ (iv) $\angle OMN$

29. In rhombus MNOP, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then $\angle QPM \neq$



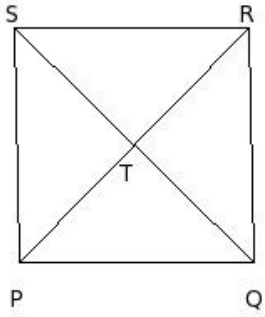
(i) $\angle QNO$ (ii) $\angle OPQ$ (iii) $\angle PQO$ (iv) $\angle MNQ$

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



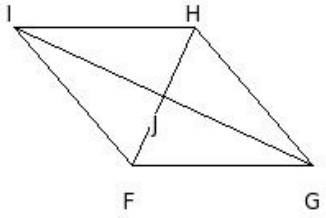
(i) $\angle HGD$ (ii) $\angle FGH$ (iii) $\angle DEH$ (iv) $\angle GHF$

31. In rhombus PQRS, diagonals $\overline{PR}$ and $\overline{QS}$ intersect at T. Then $\angle PQT \neq$



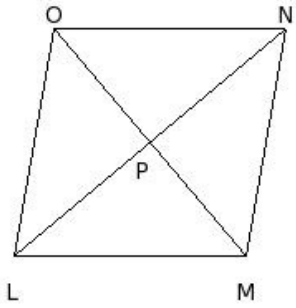
(i) $\angle TQR$ (ii) $\angle STR$ (iii) $\angle TSP$ (iv) $\angle RST$

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



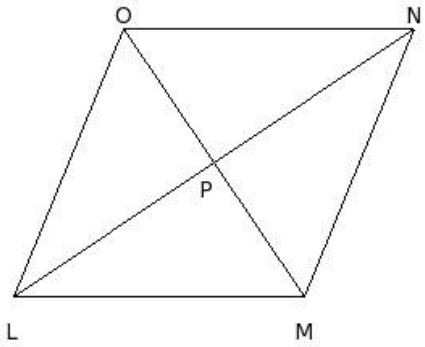
(i) $\angle JGH$ (ii) $\angle FGJ$ (iii) $\angle JIF$ (iv) $\angle IJH$

33. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then OP =



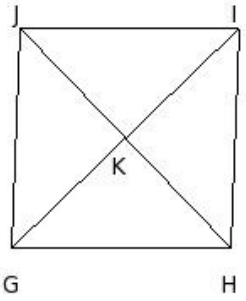
(i) MP (ii) NP (iii) LP (iv) OL

34. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then MP =



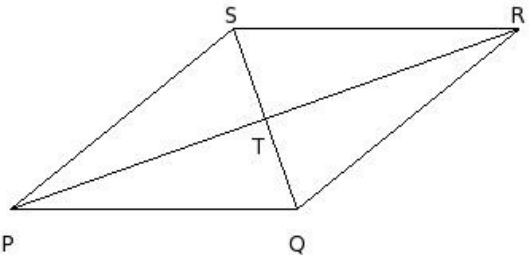
(i) NP (ii) LP (iii) OL (iv) OP

35. In rhombus GHIJ, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then GK =



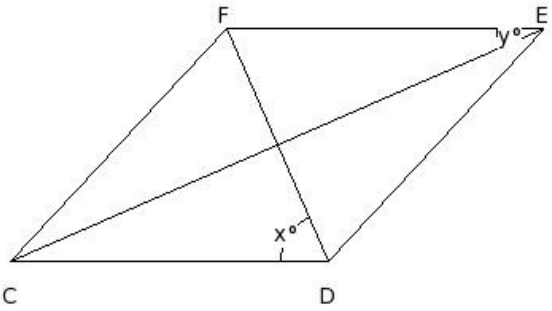
(i) JK (ii) HK (iii) JG (iv) IK

36. In rhombus PQRS, diagonals $\overline{PR}$ and $\overline{QS}$ intersect at T. Then RT =



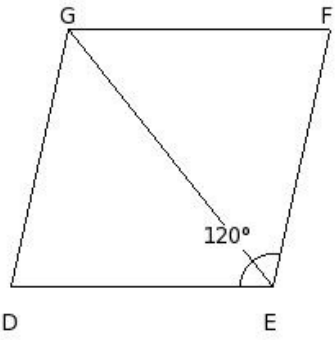
(i) PT (ii) SP (iii) QT (iv) ST

37. In the given figure, CDEF is a rhombus. Given x = 66°, find the value of 'y'.



(i) 22° (ii) 24° (iii) 26° (iv) 25° (v) 23°

38. In the given figure, DEFG is a rhombus such that ∠E = 120°. Then △DEG is



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

Assignment Key

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