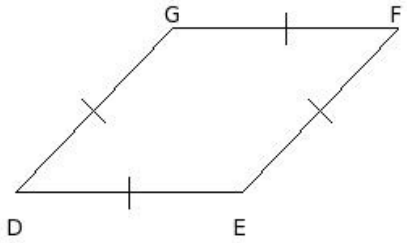
EduSahara™ Assignment

Name : Rhombus Properties

Chapter : Quadrilaterals

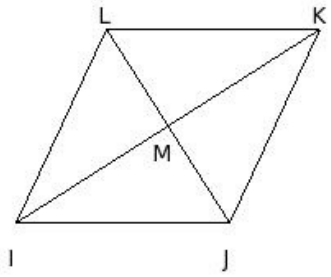
Grade : SSC Grade VII

1. Identify the figure below



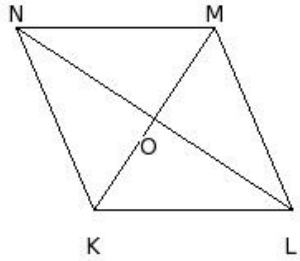
(i) rectangle (ii) parallelogram (iii) square (iv) rhombus (v) triangle

2. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $\overline{KL}$ ∥



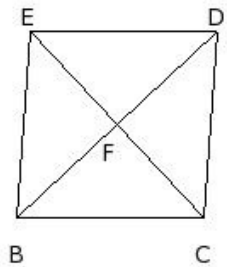
(i) $\overline{JL}$ (ii) $\overline{JK}$ (iii) $\overline{LI}$ (iv) $\overline{IJ}$

3. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then NK ≠



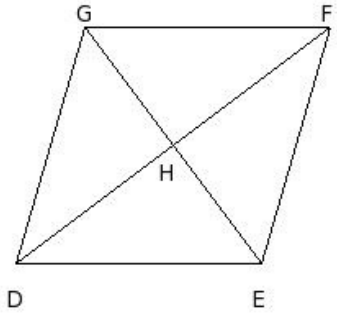
(i) KL (ii) LM (iii) MN (iv) LN

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



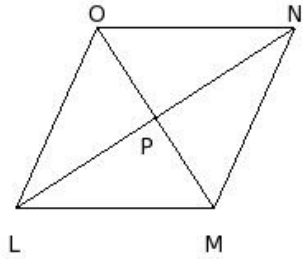
(i) △EBC (ii) △CDE (iii) △DEB (iv) △FBC

5. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $\triangle HDE \neq$



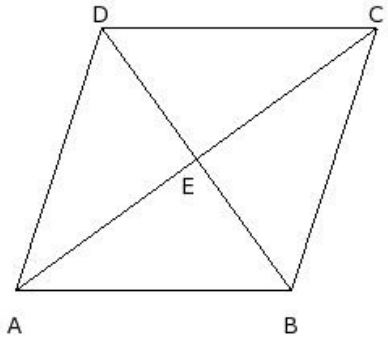
(i) $\triangle GDE$ (ii) $\triangle HFG$ (iii) $\triangle HFE$ (iv) $\triangle HDG$

6. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\angle OLM =$



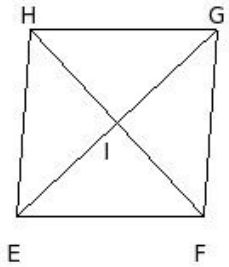
(i) $\angle MNO$ (ii) $\angle LMP$ (iii) $\angle NOL$ (iv) $\angle LMN$

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



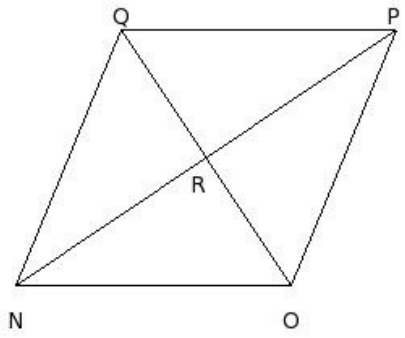
(i) $\angle CEB$ (ii) $\angle DAB$ (iii) $\angle BEA$ (iv) $\angle AED$

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



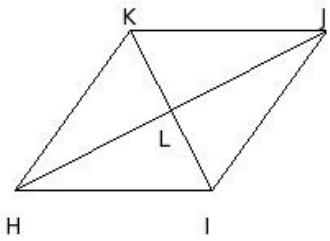
(i) $\angle FGI$ (ii) $\angle EIH$ (iii) $\angle HEI$ (iv) $\angle IEF$

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



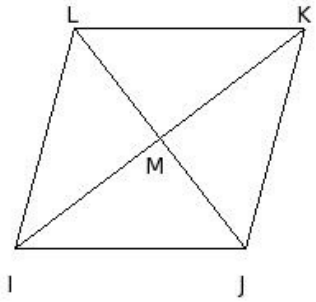
(i) $\angle PQR$ (ii) $\angle RQN$ (iii) $\angle QRP$ (iv) $\angle NOR$

10. In rhombus HIJK, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then HL =



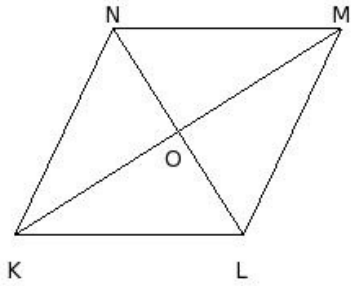
(i) JL (ii) KH (iii) IL (iv) KL

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



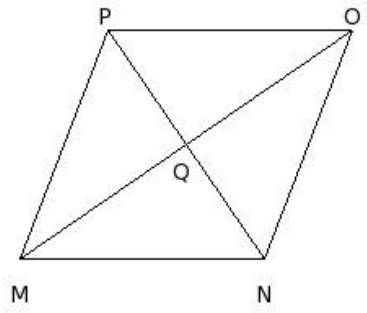
(i) $\overline{KL}$ (ii) $\overline{LI}$ (iii) $\overline{JK}$ (iv) $\overline{JL}$

12. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then $\overline{NK} \parallel$



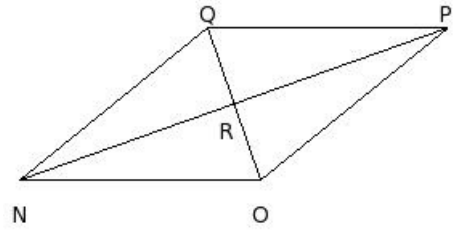
(i) $\overline{LN}$ (ii) $\overline{MN}$ (iii) $\overline{LM}$ (iv) $\overline{KL}$

13. In rhombus MNOP, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then $\overline{NO} \parallel$



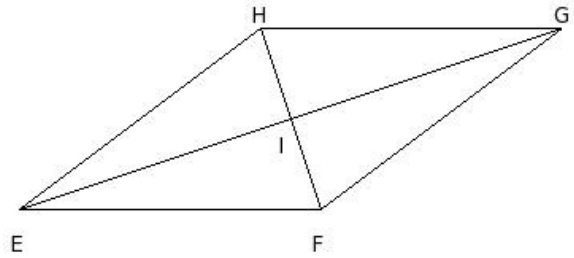
(i) $\overline{NP}$ (ii) $\overline{PM}$ (iii) $\overline{MN}$ (iv) $\overline{OP}$

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



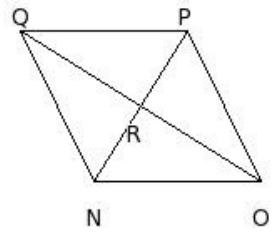
(i) PQ (ii) OP (iii) QN (iv) OQ

15. In rhombus EFGH, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $GH \neq$



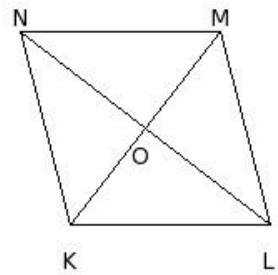
(i) EF (ii) FG (iii) HE (iv) FH

16. In rhombus NOPQ, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then $OP \neq$



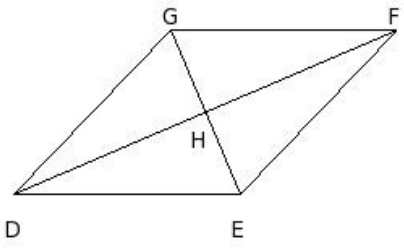
(i) NO (ii) PQ (iii) OQ (iv) QN

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



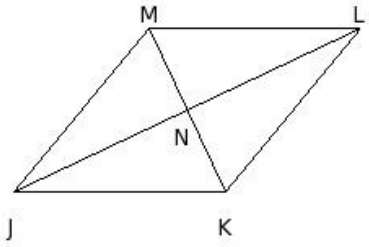
(i) $\triangle LMN$ (ii) $\triangle KLM$ (iii) $\triangle MNK$ (iv) $\triangle OKL$

18. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $\triangle EFG \cong$



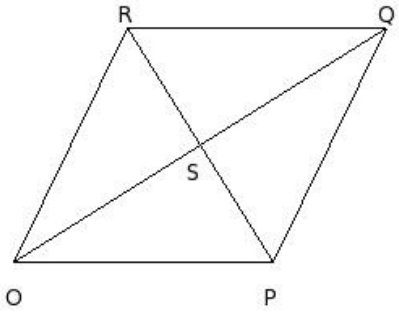
(i) $\triangle HDE$ (ii) $\triangle FGD$ (iii) $\triangle GDE$ (iv) $\triangle DEF$

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



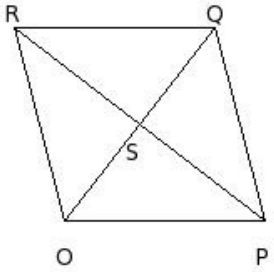
(i) $\triangle JKL$ (ii) $\triangle MJK$ (iii) $\triangle NJK$ (iv) $\triangle KLM$

20. In rhombus OPQR, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\triangle SQP \ncong$



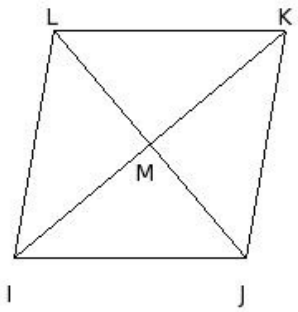
(i) $\triangle ROP$ (ii) $\triangle SOR$ (iii) $\triangle SQR$ (iv) $\triangle SOP$

21. In rhombus OPQR, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\triangle SQR \ncong$



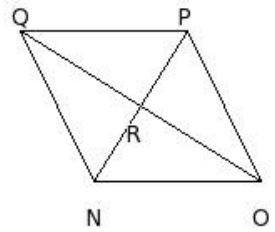
(i) $\triangle SOR$ (ii) $\triangle ROP$ (iii) $\triangle SQP$ (iv) $\triangle SOP$

22. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $\triangle MIL \ncong$



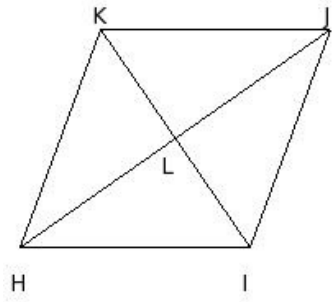
(i) $\triangle LIJ$ (ii) $\triangle MKJ$ (iii) $\triangle MKL$ (iv) $\triangle MIJ$

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



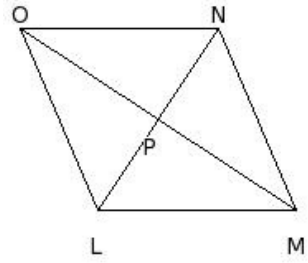
(i) $\angle QNO$ (ii) $\angle NOR$ (iii) $\angle PQN$ (iv) $\angle NOP$

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



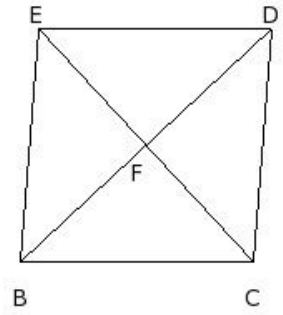
(i) $\angle IJK$ (ii) $\angle JKH$ (iii) $\angle KHI$ (iv) $\angle HIL$

25. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\angle NOL =$



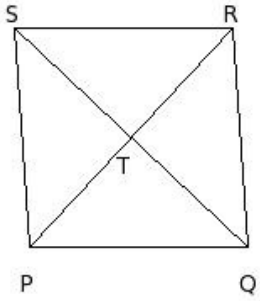
(i) $\angle MNO$ (ii) $\angle OLM$ (iii) $\angle LMP$ (iv) $\angle LMN$

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



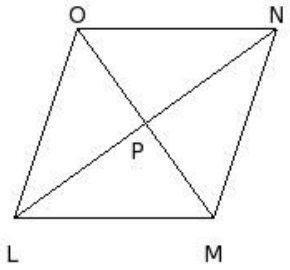
(i) $\angle EFD$ (ii) $\angle EBC$ (iii) $\angle DFC$ (iv) $\angle BFE$

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



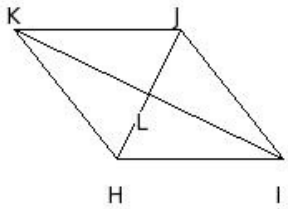
(i) $\angle SPQ$ (ii) $\angle RTQ$ (iii) $\angle QTP$ (iv) $\angle STR$

28. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\angle NPM \neq$



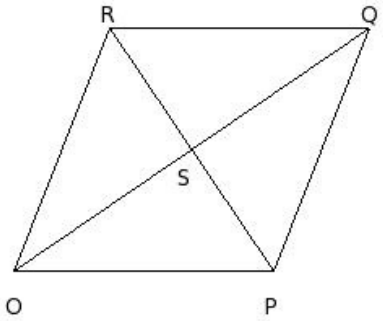
(i) $\angle MPL$ (ii) $\angle LPO$ (iii) $\angle OPN$ (iv) $\angle OLM$

29. In rhombus HIJK, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then $\angle LHI \neq$



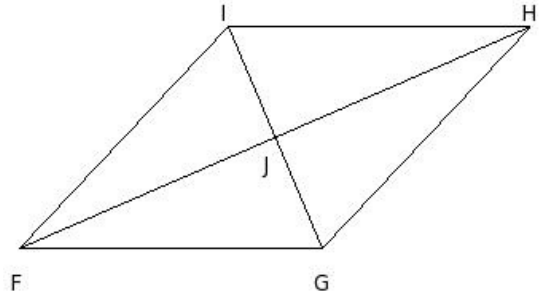
(i) $\angle IJL$ (ii) $\angle KHL$ (iii) $\angle HLK$ (iv) $\angle LJK$

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



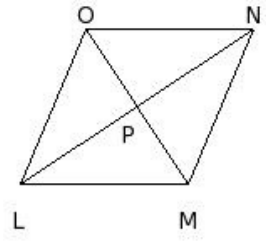
(i) $\angle SOP$ (ii) $\angle OSR$ (iii) $\angle SQR$ (iv) $\angle PQS$

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



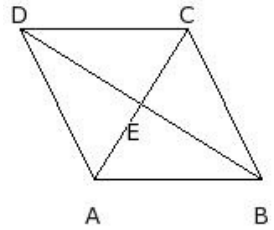
(i) $\angle JFG$ (ii) $\angle FJI$ (iii) $\angle JHI$ (iv) $\angle IFJ$

32. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\angle POL \neq$



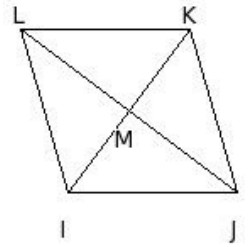
(i) $\angle PMN$ (ii) $\angle OPN$ (iii) $\angle NOP$ (iv) $\angle LMP$

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



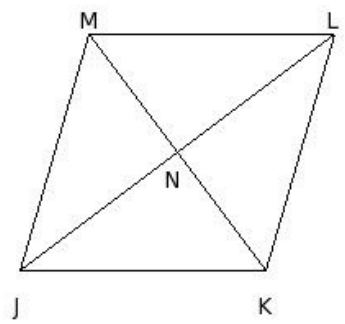
(i) $\angle EDA$ (ii) $\angle DEC$ (iii) $\angle EBC$ (iv) $\angle CDE$

34. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $\angle KLM \neq$



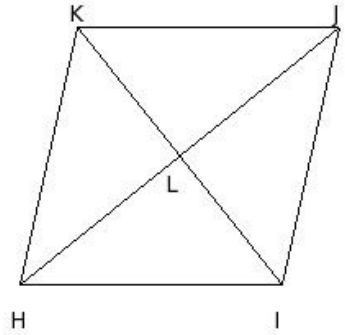
(i) $\angle MJK$ (ii) $\angle IJM$ (iii) $\angle MLI$ (iv) $\angle LMK$

35. In rhombus JKLM, diagonals $\overline{JL}$ and $\overline{KM}$ intersect at N. Then MN =



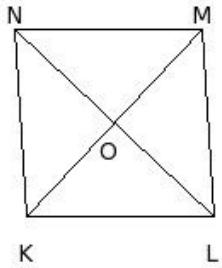
(i) LN (ii) KN (iii) MJ (iv) JN

36. In rhombus HIJK, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then IL =



(i) KL (ii) JL (iii) KH (iv) HL

37. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then MO =



(i) KO (ii) NO (iii) NK (iv) LO

Assignment Key

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