EduSahara™ Assignment

Name : Rhombus Properties

Chapter : Quadrilaterals

Grade : SSC Grade VII

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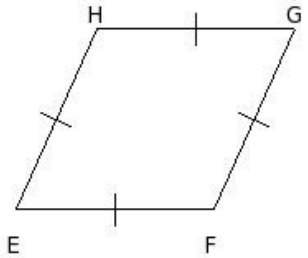
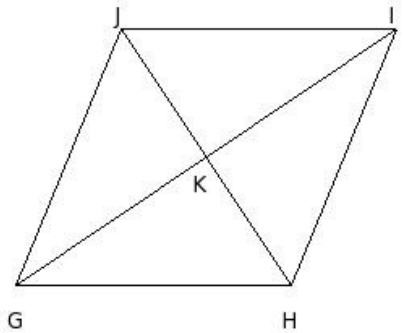
1. Identify the figure below



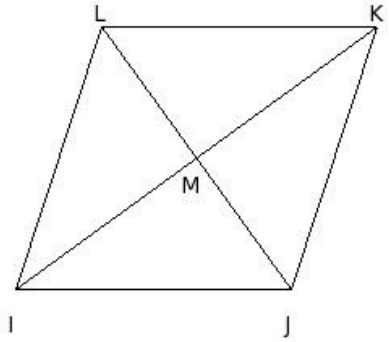
(i) parallelogram (ii) square (iii) circle (iv) triangle (v) rhombus

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



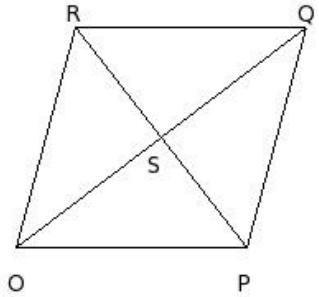
(i) $\overline{JG}$ (ii) $\overline{HI}$ (iii) $\overline{HJ}$ (iv) $\overline{GH}$

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



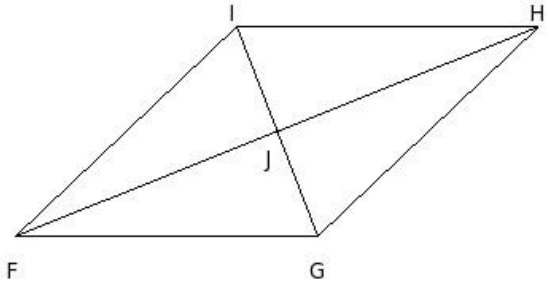
(i) KL (ii) JL (iii) IJ (iv) JK

4. In rhombus OPQR, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\triangle OPQ \cong$



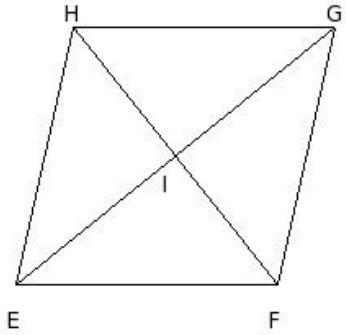
(i) $\triangle QRO$ (ii) $\triangle SOP$ (iii) $\triangle PQR$ (iv) $\triangle ROP$

5. In rhombus $FGHI$, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\triangle JFG \not\cong$



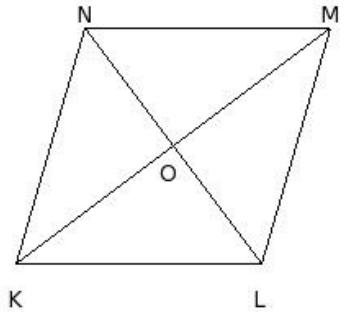
(i) $\triangle JFI$ (ii) $\triangle JHG$ (iii) $\triangle JHI$ (iv) $\triangle IFG$

6. In rhombus $EFGH$, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $\angle HEF =$



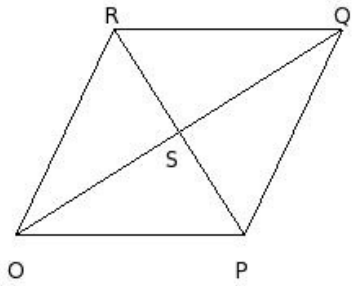
(i) $\angle GHE$ (ii) $\angle EFG$ (iii) $\angle EFI$ (iv) $\angle FGH$

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



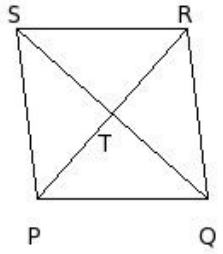
(i) $\angle LOK$ (ii) $\angle MOL$ (iii) $\angle NKL$ (iv) $\angle KON$

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



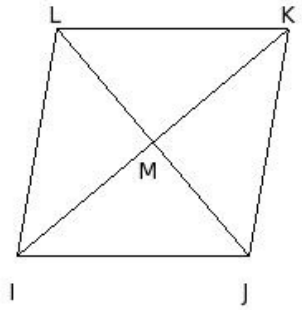
(i) $\angle SOP$ (ii) $\angle ROS$ (iii) $\angle PQS$ (iv) $\angle OSR$

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



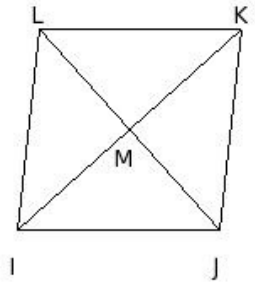
(i) $\angle PQT$ (ii) $\angle STR$ (iii) $\angle RST$ (iv) $\angle TSP$

10. In rhombus $IJKL$, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $IM =$



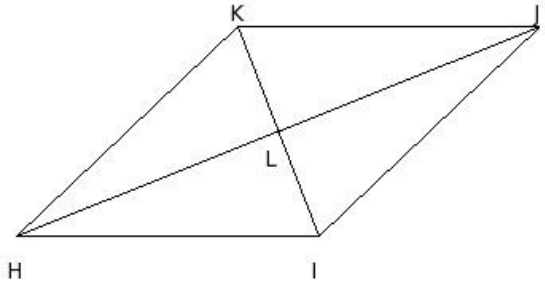
(i) LI (ii) KM (iii) JM (iv) LM

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



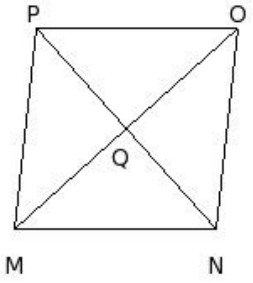
(i) $\overline{KL}$ (ii) $\overline{JK}$ (iii) $\overline{LI}$ (iv) $\overline{JL}$

12. In rhombus $HIJK$, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then $\overline{KH} \parallel$



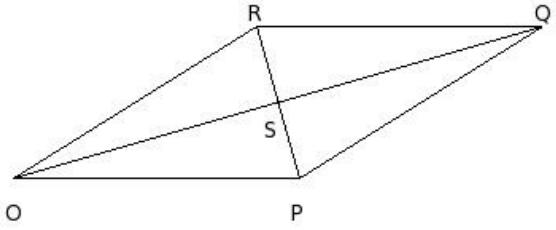
(i) $\overline{IK}$ (ii) $\overline{HI}$ (iii) $\overline{IJ}$ (iv) $\overline{JK}$

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



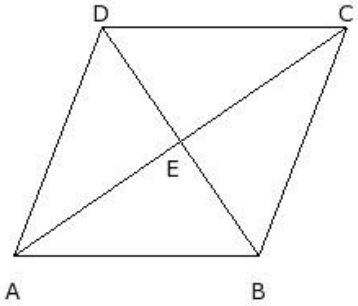
(i) $\overline{MN}$ (ii) $\overline{PM}$ (iii) $\overline{NP}$ (iv) $\overline{OP}$

14. In rhombus OPQR, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $OP \neq$



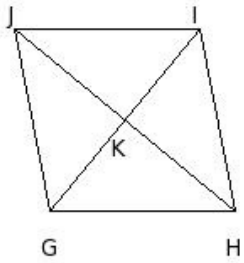
(i) QR (ii) RO (iii) PR (iv) PQ

15. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $CD \neq$



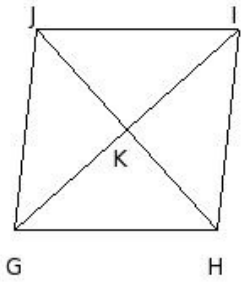
(i) BC (ii) DA (iii) AB (iv) BD

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



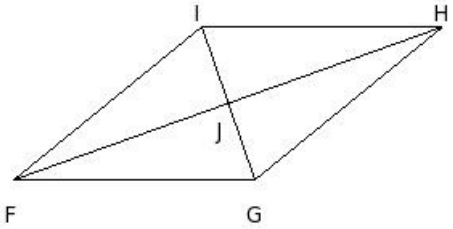
(i) JG (ii) HJ (iii) GH (iv) IJ

17. In rhombus GHIJ, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then $\triangle JGH \cong$



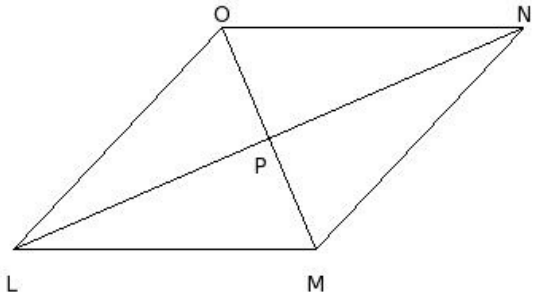
(i) $\triangle HIJ$ (ii) $\triangle GHI$ (iii) $\triangle IJG$ (iv) $\triangle KGH$

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



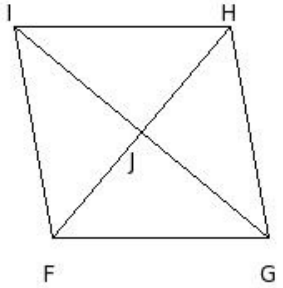
(i) $\triangle HIF$ (ii) $\triangle FGH$ (iii) $\triangle IFG$ (iv) $\triangle JFG$

19. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\triangle NOL \cong$



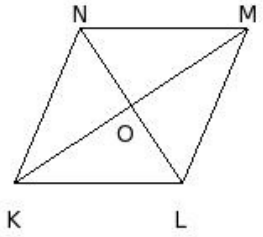
(i) $\triangle OLM$ (ii) $\triangle MNO$ (iii) $\triangle LMN$ (iv) $\triangle PLM$

20. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\triangle JHG \ncong$



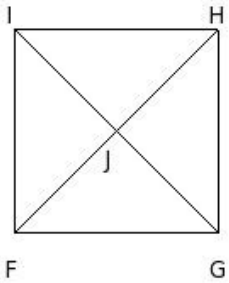
(i) $\triangle JHI$ (ii) $\triangle JFG$ (iii) $\triangle JFI$ (iv) $\triangle IFG$

21. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then $\triangle OMN \ncong$



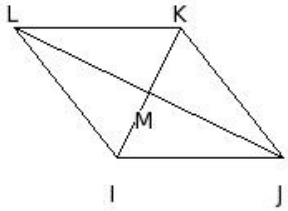
(i) $\triangle OML$ (ii) $\triangle OKN$ (iii) $\triangle NKL$ (iv) $\triangle OKL$

22. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\triangle JFI \ncong$



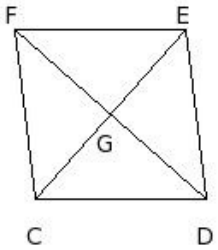
(i) $\triangle JFG$ (ii) $\triangle JHG$ (iii) $\triangle JHI$ (iv) $\triangle IFG$

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



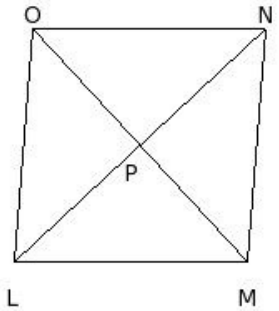
(i) $\angle LIJ$ (ii) $\angle IJM$ (iii) $\angle KLI$ (iv) $\angle IJK$

24. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then $\angle CDE =$



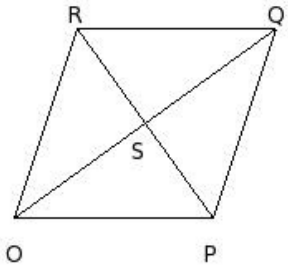
(i) $\angle DEF$ (ii) $\angle EFC$ (iii) $\angle FCD$ (iv) $\angle CDG$

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



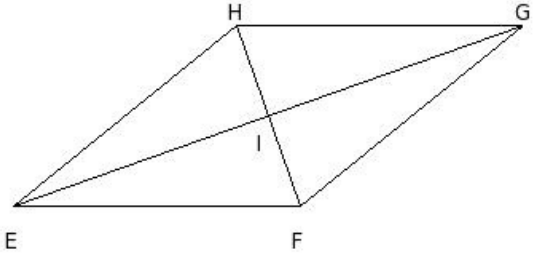
(i) $\angle LMN$ (ii) $\angle LMP$ (iii) $\angle OLM$ (iv) $\angle MNO$

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



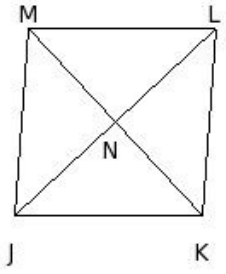
(i) $\angle ROP$ (ii) $\angle OSR$ (iii) $\angle QSP$ (iv) $\angle RSQ$

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



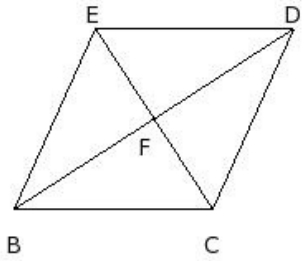
(i) $\angle FIE$ (ii) $\angle GIF$ (iii) $\angle HIG$ (iv) $\angle HEF$

28. In rhombus $JKLM$, diagonals $\overline{JL}$ and $\overline{KM}$ intersect at N. Then $\angle LNK \neq$



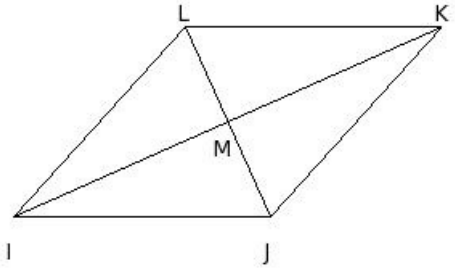
(i) $\angle MNL$ (ii) $\angle KNJ$ (iii) $\angle MJK$ (iv) $\angle JNM$

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



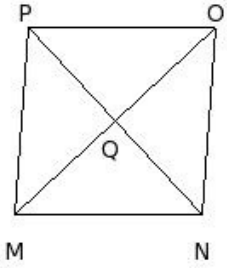
(i) $\angle EBF$ (ii) $\angle CDF$ (iii) $\angle BFE$ (iv) $\angle FDE$

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



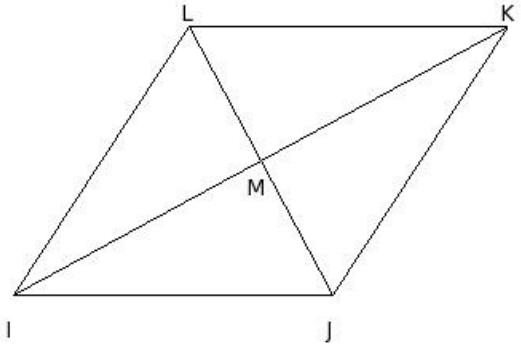
(i) $\angle JKM$ (ii) $\angle MIJ$ (iii) $\angle MKL$ (iv) $\angle IML$

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



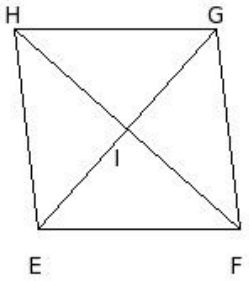
(i) $\angle MQP$ (ii) $\angle QMN$ (iii) $\angle PMQ$ (iv) $\angle QOP$

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



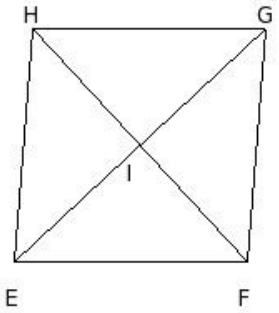
(i) $\angle LMK$ (ii) $\angle IJM$ (iii) $\angle KLM$ (iv) $\angle MJK$

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



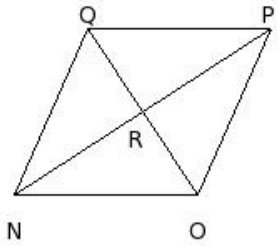
(i) $\angle HIG$ (ii) $\angle IHE$ (iii) $\angle GHI$ (iv) $\angle IFG$

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



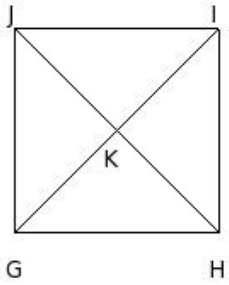
(i) $\angle IFG$ (ii) $\angle EFI$ (iii) $\angle HIG$ (iv) $\angle IHE$

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



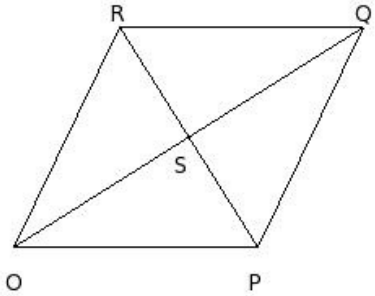
(i) PR (ii) OR (iii) NR (iv) QN

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



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

37. In rhombus $OPQR$, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $QS =$



(i) RS (ii) OS (iii) RO (iv) PS

Assignment Key

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

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