EduSahara™ Assignment

Name : Rhombus Properties Using Diagrams

Chapter : Quadrilaterals

Grade : ICSE Grade VII

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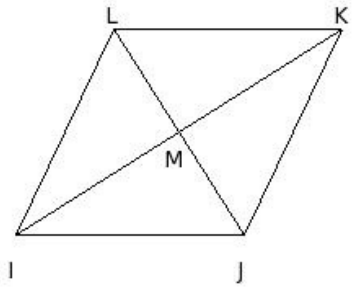
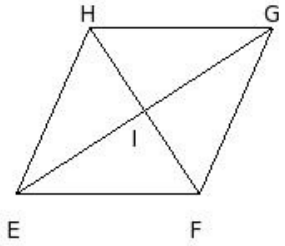
1. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $\overline{IJ} \parallel$



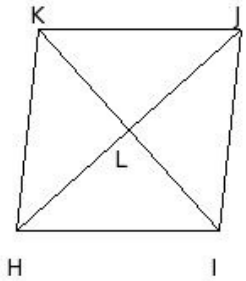
(i) $\overline{JK}$ (ii) $\overline{JL}$ (iii) $\overline{LI}$ (iv) $\overline{KL}$

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



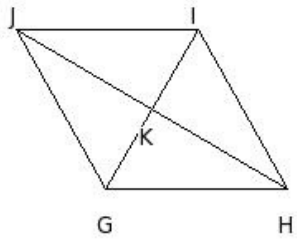
(i) $\overline{FG}$ (ii) $\overline{HE}$ (iii) $\overline{EF}$ (iv) $\overline{FH}$

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



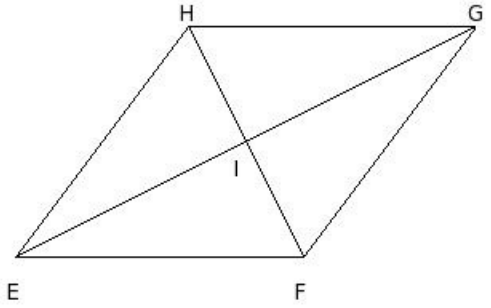
(i) $\overline{JK}$ (ii) $\overline{HI}$ (iii) $\overline{IJ}$ (iv) $\overline{IK}$

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



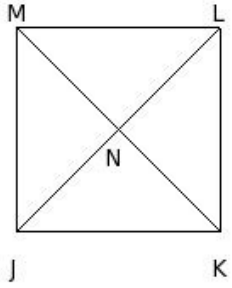
(i) $\overline{GH}$ (ii) $\overline{IJ}$ (iii) $\overline{HJ}$ (iv) $\overline{JG}$

5. In rhombus EFGH, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then EF ≠



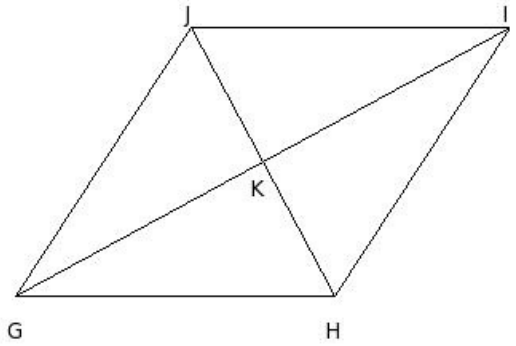
(i) FH (ii) FG (iii) GH (iv) HE

6. In rhombus JKLM, diagonals $\overline{JL}$ and $\overline{KM}$ intersect at N. Then LM ≠



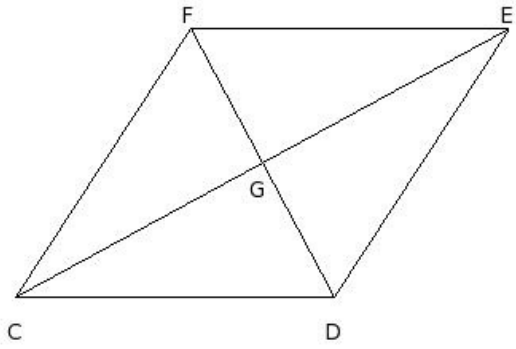
(i) KM (ii) KL (iii) MJ (iv) JK

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



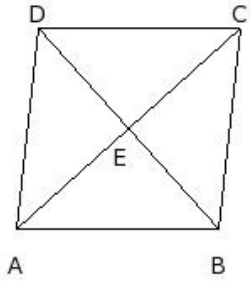
(i) GH (ii) IJ (iii) HJ (iv) HI

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



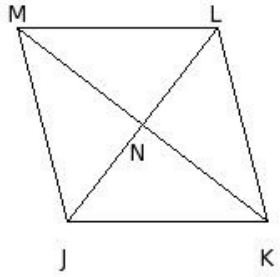
(i) EF (ii) DF (iii) FC (iv) CD

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



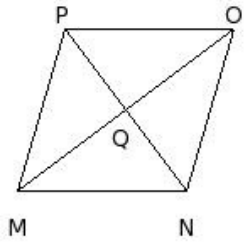
(i) $\triangle ABC$ (ii) $\triangle EAB$ (iii) $\triangle BCD$ (iv) $\triangle CDA$

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



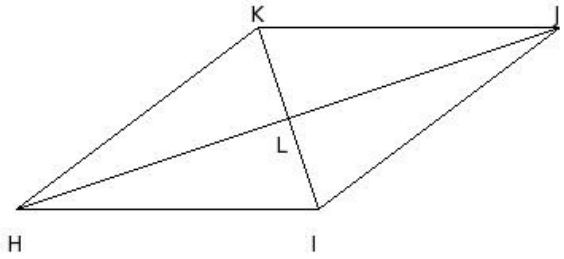
(i) $\triangle MJK$ (ii) $\triangle LMJ$ (iii) $\triangle JKL$ (iv) $\triangle NJK$

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



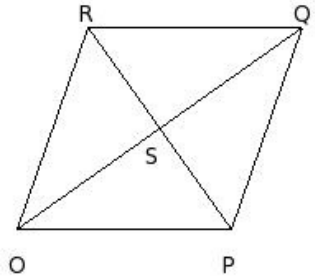
(i) $\triangle MNO$ (ii) $\triangle NOP$ (iii) $\triangle QMN$ (iv) $\triangle PMN$

12. In rhombus $HIJK$, diagonals $\overline{HJ}$ and $\overline{IK}$ intersect at L. Then $\triangle HIJ \cong$



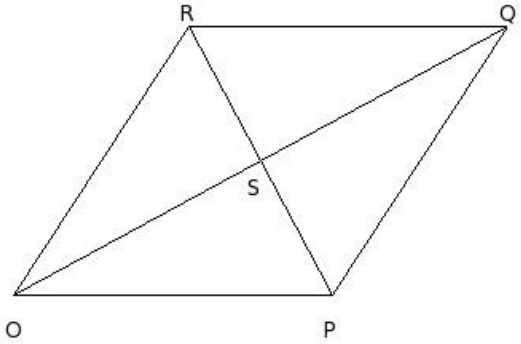
(i) $\triangle LHI$ (ii) $\triangle IJK$ (iii) $\triangle JKH$ (iv) $\triangle KHI$

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



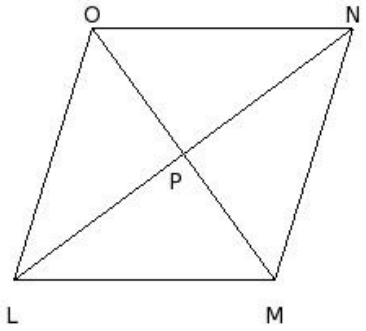
(i) $\triangle SQR$ (ii) $\triangle SOR$ (iii) $\triangle ROP$ (iv) $\triangle SQP$

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



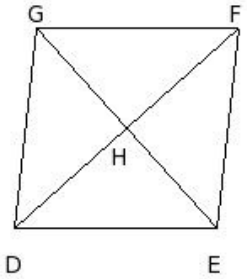
(i) $\triangle SQR$ (ii) $\triangle SOR$ (iii) $\triangle ROP$ (iv) $\triangle SOP$

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



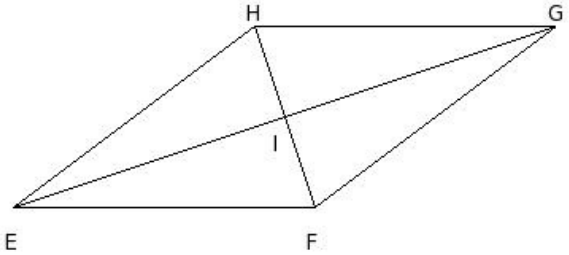
(i) $\triangle PLM$ (ii) $\triangle PNM$ (iii) $\triangle PLO$ (iv) $\triangle OLM$

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



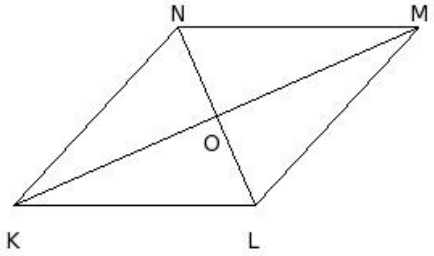
(i) $\triangle HFE$ (ii) $\triangle HFG$ (iii) $\triangle GDE$ (iv) $\triangle HDE$

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



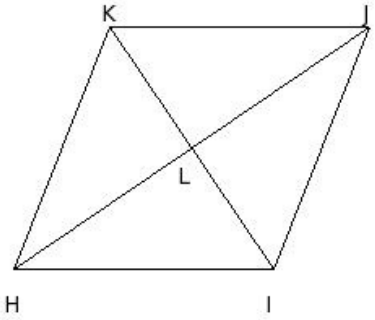
(i) $\angle EFI$ (ii) $\angle EFG$ (iii) $\angle GHE$ (iv) $\angle FGH$

18. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then $\angle LMN =$



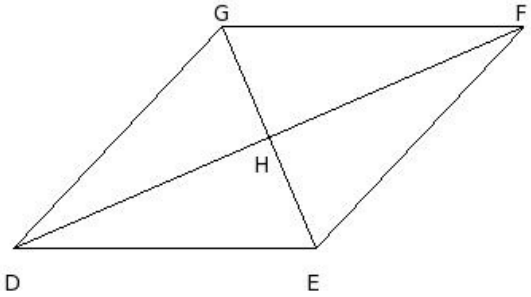
(i) $\angle KLM$ (ii) $\angle NKL$ (iii) $\angle MNK$ (iv) $\angle KLO$

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



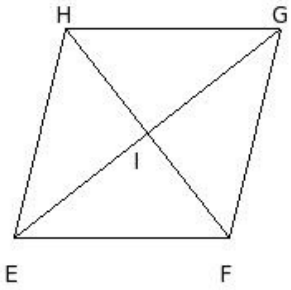
(i) $\angle KHI$ (ii) $\angle IJK$ (iii) $\angle HIL$ (iv) $\angle JKH$

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



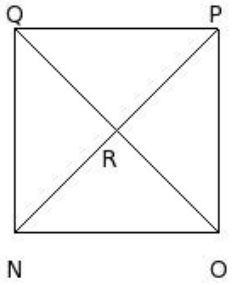
(i) $\angle DEH$ (ii) $\angle DEF$ (iii) $\angle EFG$ (iv) $\angle GDE$

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



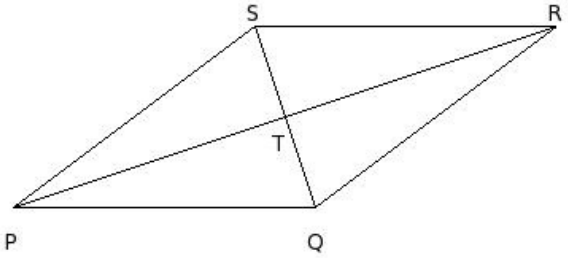
(i) $\angle HIG$ (ii) $\angle HEF$ (iii) $\angle GIF$ (iv) $\angle EIH$

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



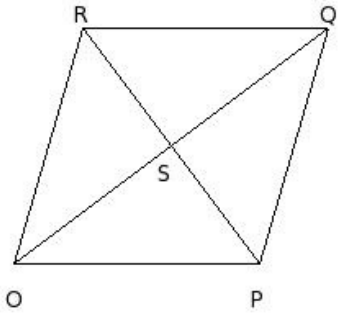
(i) $\angle PRO$ (ii) $\angle NRQ$ (iii) $\angle ORN$ (iv) $\angle QNO$

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



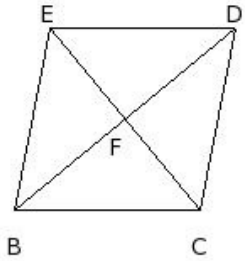
(i) $\angle SPQ$ (ii) $\angle QTP$ (iii) $\angle RTQ$ (iv) $\angle STR$

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



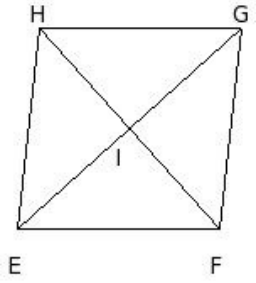
(i) $\angle ROP$ (ii) $\angle RSQ$ (iii) $\angle OSR$ (iv) $\angle PSO$

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



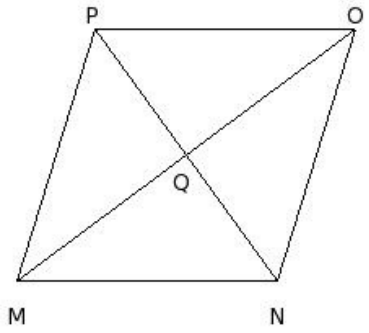
(i) $\angle EBF$ (ii) $\angle FDE$ (iii) $\angle BFE$ (iv) $\angle CDF$

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



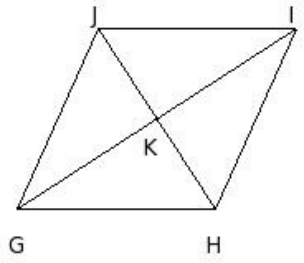
(i) $\angle EIH$ (ii) $\angle FGI$ (iii) $\angle IEF$ (iv) $\angle HEI$

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



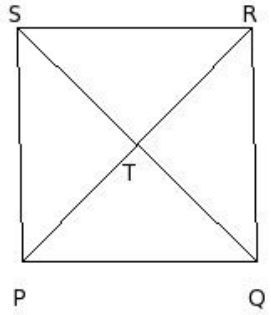
(i) $\angle QOP$ (ii) $\angle NOQ$ (iii) $\angle MQP$ (iv) $\angle QMN$

28. In rhombus GHIJ, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then $\angle HIK \neq$



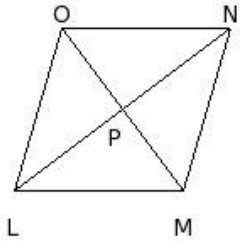
(i) $\angle GKJ$ (ii) $\angle JGK$ (iii) $\angle KGH$ (iv) $\angle KIJ$

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



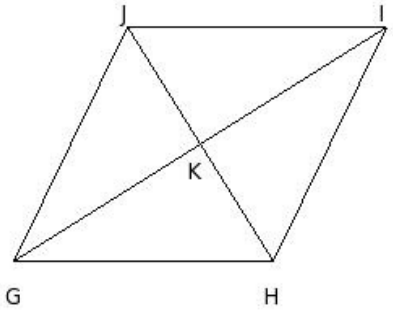
(i) $\angle PQT$ (ii) $\angle TQR$ (iii) $\angle STR$ (iv) $\angle RST$

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



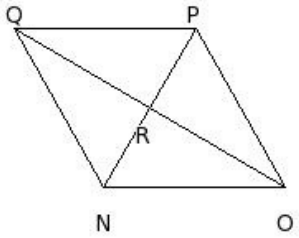
(i) $\angle POL$ (ii) $\angle OPN$ (iii) $\angle LMP$ (iv) $\angle NOP$

31. In rhombus $GHIJ$, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then $\angle GHK \neq$



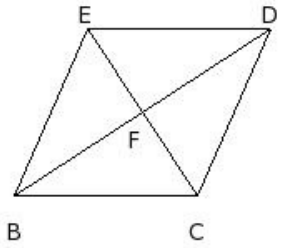
(i) $\angle KHI$ (ii) $\angle IJK$ (iii) $\angle JKI$ (iv) $\angle KJG$

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



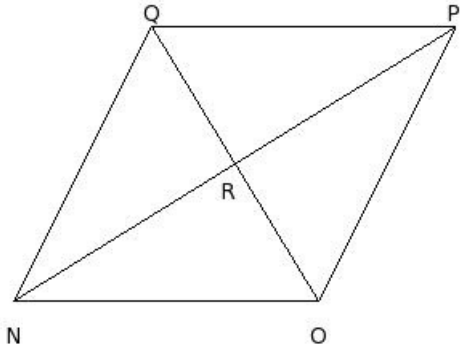
(i) $\angle RQN$ (ii) $\angle ROP$ (iii) $\angle QRP$ (iv) $\angle NOR$

33. In rhombus $BCDE$, diagonals $\overline{BD}$ and $\overline{CE}$ intersect at F. Then $EF =$



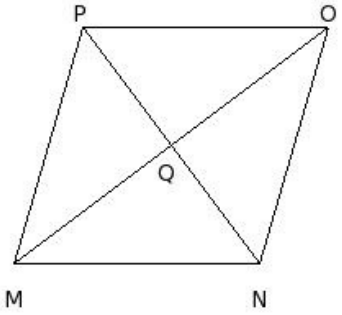
(i) CF (ii) EB (iii) DF (iv) BF

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



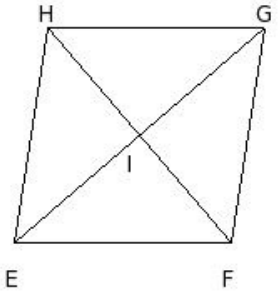
(i) NR (ii) QN (iii) QR (iv) PR

35. In rhombus MNOP, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then MQ =



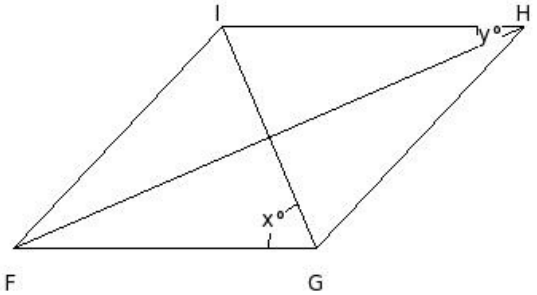
(i) NQ (ii) OQ (iii) PQ (iv) PM

36. In rhombus EFGH, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then GI =



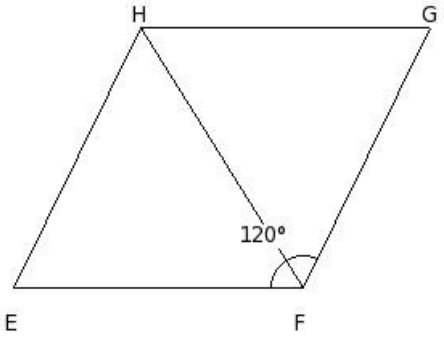
(i) EI (ii) HI (iii) HE (iv) FI

37. In the given figure, FGHI is a rhombus. Given x = 67°, find the value of 'y'.



(i) 25° (ii) 24° (iii) 22° (iv) 23° (v) 21°

38. In the given figure, EFGH is a rhombus such that $\angle F = 120°$. Then $\triangle EFH$ is



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

Assignment Key

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

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