

EduSahara™ Learning Center Assignment

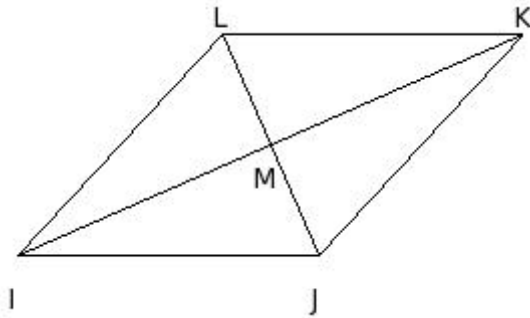
Grade : Class VII, ICSE

Chapter : Quadrilaterals

Name : Rhombus Properties Using Diagrams

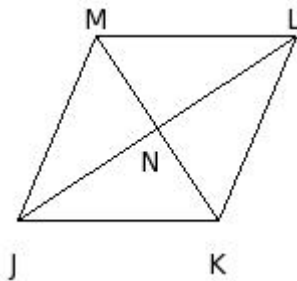
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1. In rhombus $IJKL$, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M . Then $\overline{IJ} \parallel$



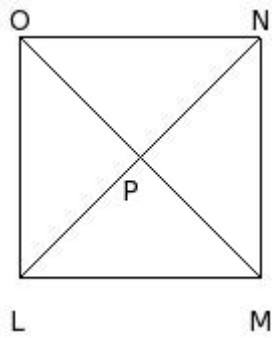
- (i) $\overline{JL}$ (ii) $\overline{KL}$ (iii) $\overline{JK}$ (iv) $\overline{LI}$

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



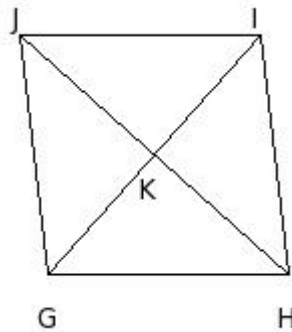
- (i) $\overline{KM}$ (ii) $\overline{MJ}$ (iii) $\overline{KL}$ (iv) $\overline{JK}$

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



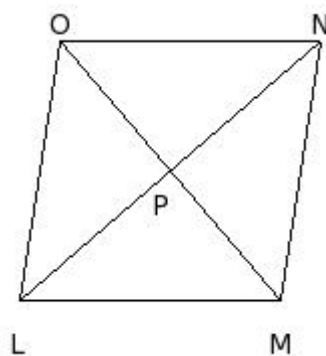
- (i) $\overline{MO}$ (ii) $\overline{MN}$ (iii) $\overline{NO}$ (iv) $\overline{LM}$
-

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



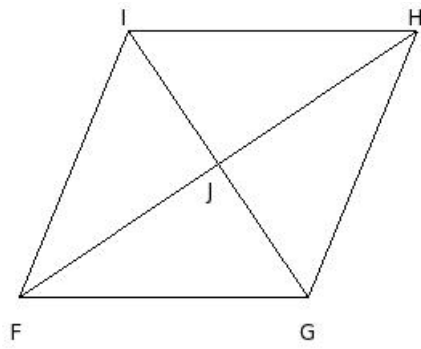
- (i) $\overline{HJ}$ (ii) $\overline{JG}$ (iii) $\overline{IJ}$ (iv) $\overline{GH}$
-

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



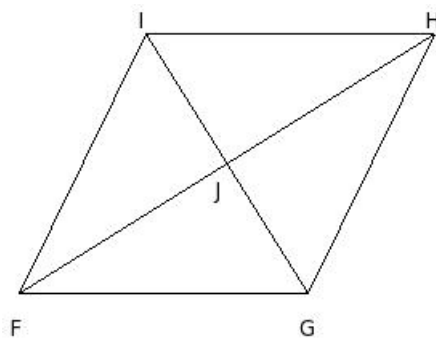
- (i) MO (ii) OL (iii) NO (iv) MN
-

6. In rhombus $FGHI$, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J . Then $HI \neq$



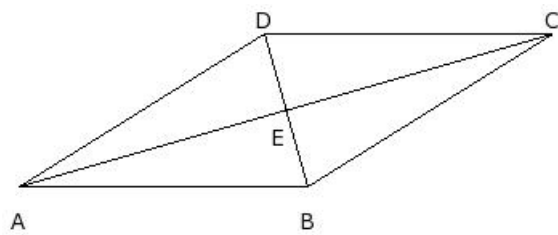
- (i) GH (ii) GI (iii) FG (iv) IF
-

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



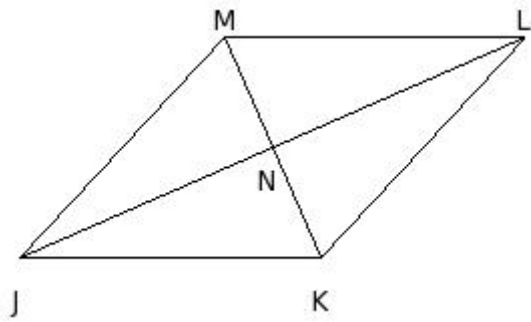
- (i) HI (ii) GH (iii) FG (iv) GI
-

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



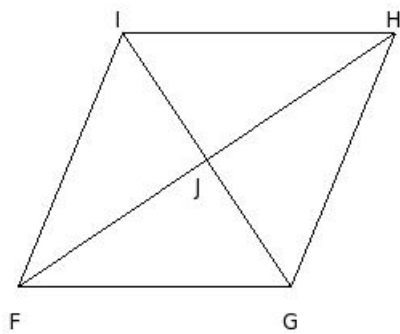
- (i) AB (ii) DA (iii) BD (iv) CD
-

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



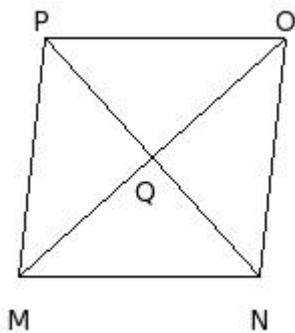
- (i) $\triangle KLM$ (ii) $\triangle LMJ$ (iii) $\triangle NJK$ (iv) $\triangle JKL$
-

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



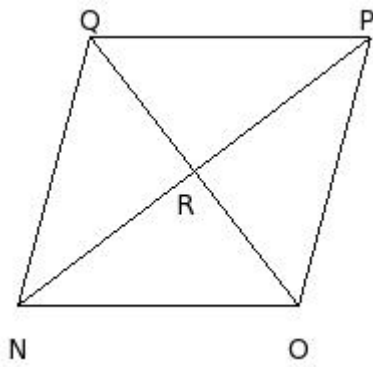
- (i) $\triangle IFG$ (ii) $\triangle FGH$ (iii) $\triangle JFG$ (iv) $\triangle HIF$
-

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



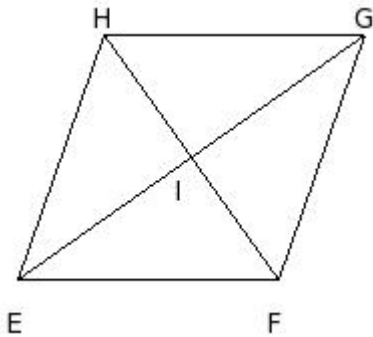
- (i) $\triangle MNO$ (ii) $\triangle QMN$ (iii) $\triangle NOP$ (iv) $\triangle PMN$
-

12. In rhombus NOPQ, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then $\triangle NOP \cong$



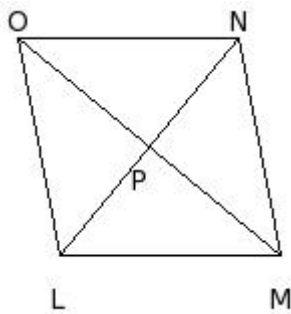
- (i) $\triangle QNO$ (ii) $\triangle RNO$ (iii) $\triangle PQN$ (iv) $\triangle OPQ$
-

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



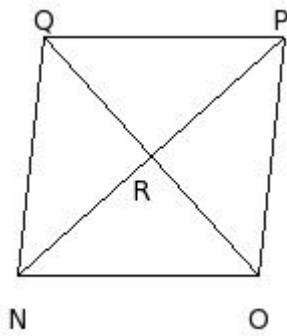
- (i) $\triangle IHE$ (ii) $\triangle IGH$ (iii) $\triangle HEF$ (iv) $\triangle IFG$
-

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



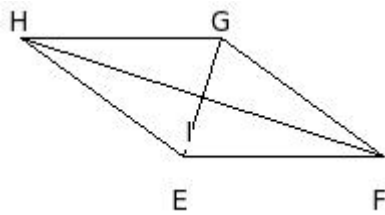
- (i) $\triangle PMN$ (ii) $\triangle PLM$ (iii) $\triangle OLM$ (iv) $\triangle POL$
-

15. In rhombus NOPQ, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then $\triangle RQN \not\cong$



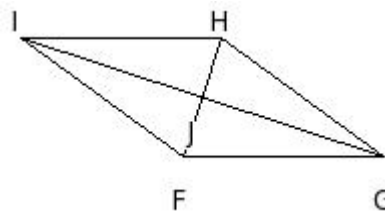
- (i) $\triangle RNO$ (ii) $\triangle QNO$ (iii) $\triangle RPQ$ (iv) $\triangle ROP$
-

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



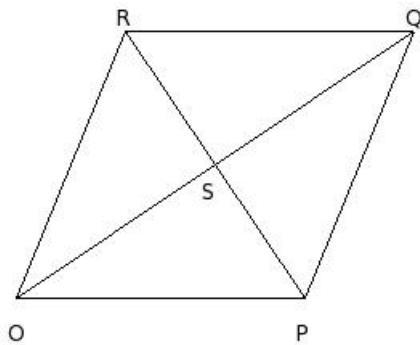
- (i) $\triangle IGH$ (ii) $\triangle IHE$ (iii) $\triangle IEF$ (iv) $\triangle HEF$
-

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



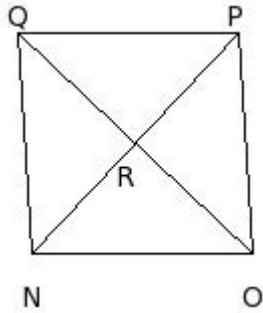
- (i) $\angle GHI$ (ii) $\angle FGH$ (iii) $\angle HIF$ (iv) $\angle FGJ$
-

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



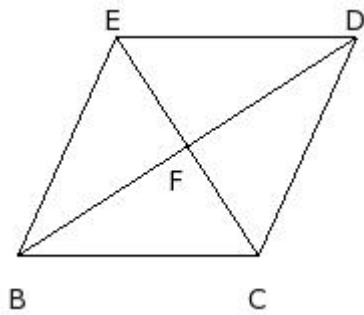
- (i) $\angle OPS$ (ii) $\angle OPQ$ (iii) $\angle ROP$ (iv) $\angle QRO$
-

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



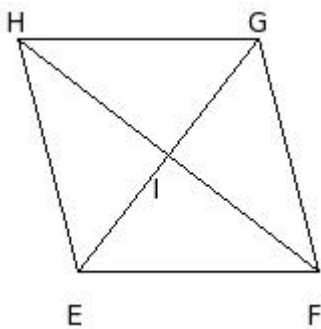
- (i) $\angle OPQ$ (ii) $\angle NOR$ (iii) $\angle PQN$ (iv) $\angle QNO$
-

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



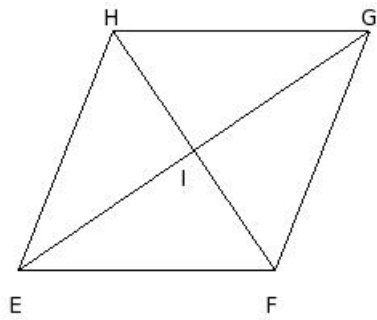
- (i) $\angle BCD$ (ii) $\angle EBC$ (iii) $\angle BCF$ (iv) $\angle CDE$
-

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



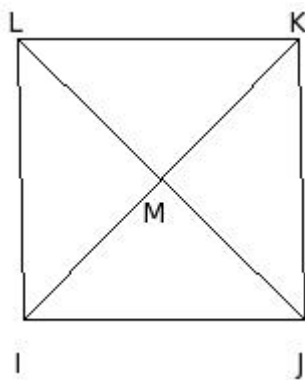
- (i) $\angle HIG$ (ii) $\angle EIH$ (iii) $\angle HEF$ (iv) $\angle GIF$
-

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



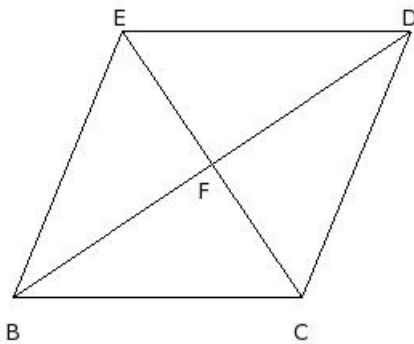
- (i) $\angle HEF$ (ii) $\angle FIE$ (iii) $\angle GIF$ (iv) $\angle EIH$
-

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



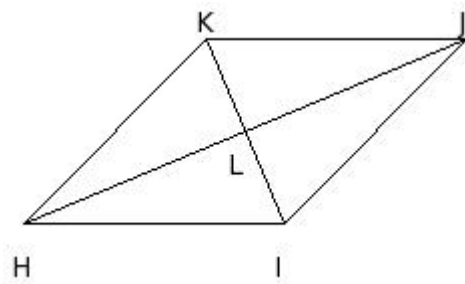
- (i) $\angle KMJ$ (ii) $\angle LMK$ (iii) $\angle LIJ$ (iv) $\angle JMI$
-

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



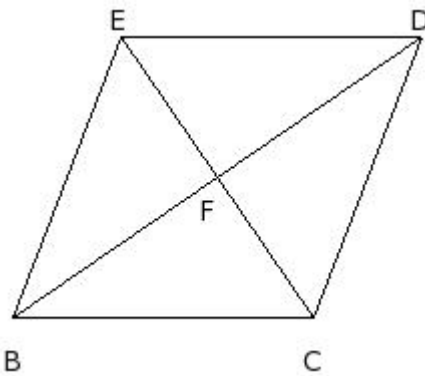
- (i) $\angle EFD$ (ii) $\angle EBC$ (iii) $\angle CFB$ (iv) $\angle BFE$
-

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



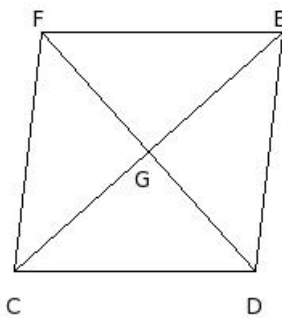
- (i) $\angle HLK$ (ii) $\angle LJK$ (iii) $\angle IJL$ (iv) $\angle KHL$
-

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



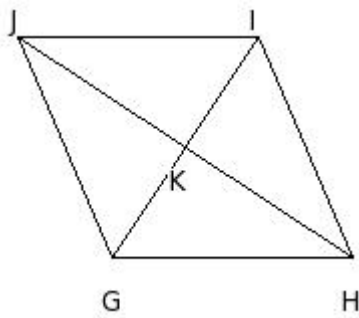
- (i) $\angle CDF$ (ii) $\angle EBF$ (iii) $\angle FBC$ (iv) $\angle BFE$
-

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



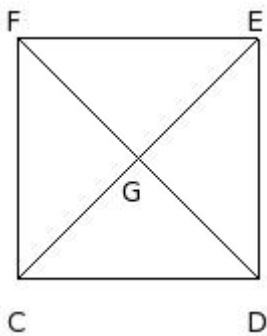
- (i) $\angle DEG$ (ii) $\angle CGF$ (iii) $\angle GCD$ (iv) $\angle GEF$
-

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



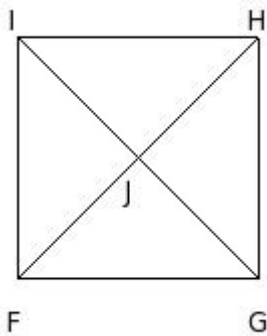
- (i) $\angle JGK$ (ii) $\angle KIJ$ (iii) $\angle GKJ$ (iv) $\angle KGH$
-

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



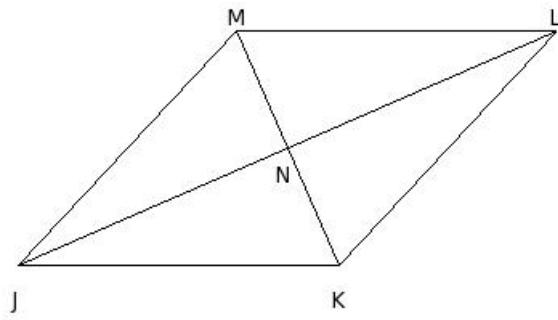
- (i) $\angle GDE$ (ii) $\angle FGE$ (iii) $\angle EFG$ (iv) $\angle CDG$
-

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



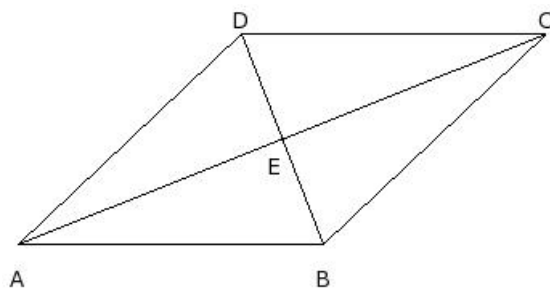
- (i) $\angle HIJ$ (ii) $\angle FGJ$ (iii) $\angle JIF$ (iv) $\angle IJH$
-

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



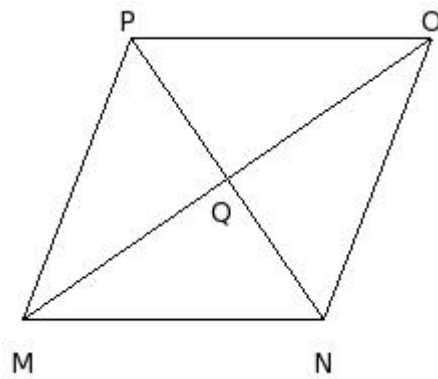
- (i) $\angle MNL$ (ii) $\angle LMN$ (iii) $\angle NMJ$ (iv) $\angle NKL$
-

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



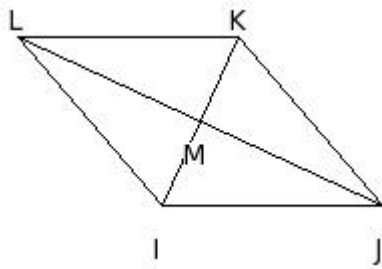
- (i) $\angle EBC$ (ii) $\angle ABE$ (iii) $\angle DEC$ (iv) $\angle EDA$
-

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



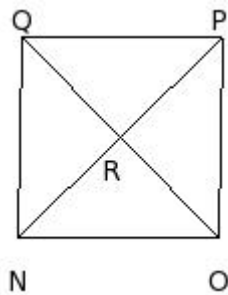
- (i) NQ (ii) MQ (iii) OQ (iv) PM
-

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



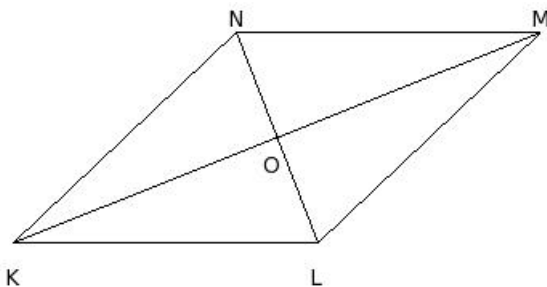
- (i) LM (ii) LI (iii) KM (iv) IM

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



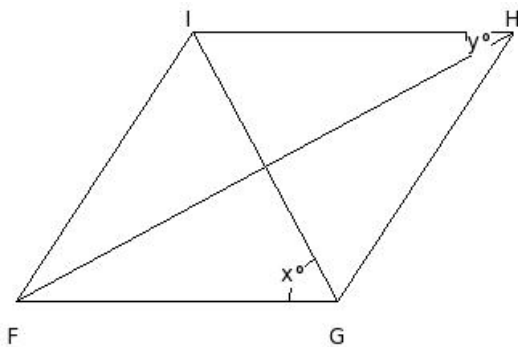
- (i) OR (ii) PR (iii) QN (iv) QR

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



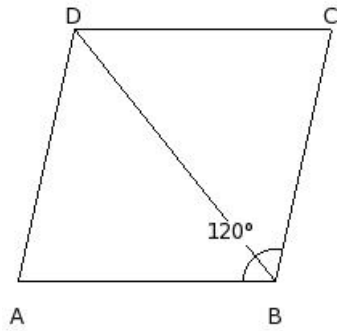
- (i) NO (ii) LO (iii) KO (iv) NK

37. In the given figure, FGHI is a rhombus. Given $x = 62^\circ$, find the value of 'y'.



- (i) 26° (ii) 27° (iii) 28° (iv) 29° (v) 30°
-

38. In the given figure, ABCD is a rhombus such that $\angle B = 120^\circ$. Then $\triangle ABD$ is



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

Assignment Key

- 1) (ii)
- 2) (iv)
- 3) (ii)
- 4) (ii)
- 5) (i)
- 6) (ii)
- 7) (iv)
- 8) (iii)
- 9) (i)
- 10) (i)
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- 29) (ii)
- 30) (iv)
- 31) (i)
- 32) (iii)
- 33) (i)
- 34) (i)
- 35) (ii)
- 36) (iii)
- 37) (iii)
- 38) (i)