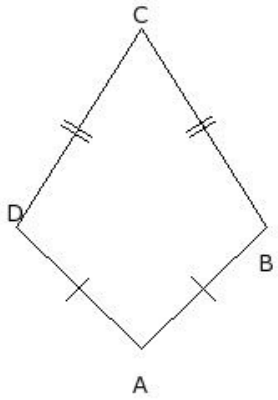
EduSahara™ Assignment

Name : Kite Properties

Chapter : Quadrilaterals

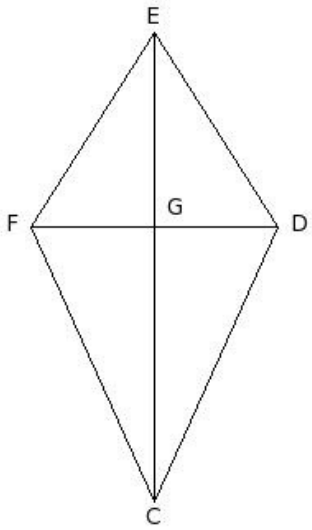
Grade : SSC Grade VII

1. Identify the figure below



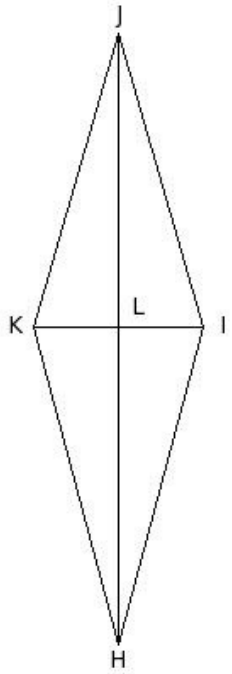
(i) square (ii) rectangle (iii) kite (iv) circle (v) angle

2. In kite CDEF, $\overline{CE}$ and $\overline{DF}$ are diagonals. Then CD =



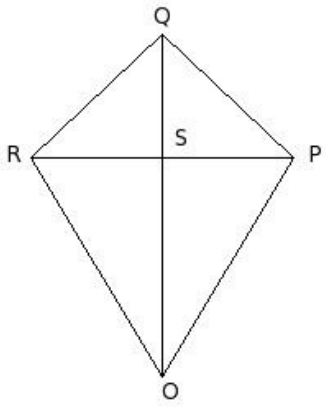
(i) EF (ii) DF (iii) CE (iv) DE (v) FC

3. In kite HIJK, $\overline{HJ}$ and $\overline{IK}$ are diagonals. Then IJ =



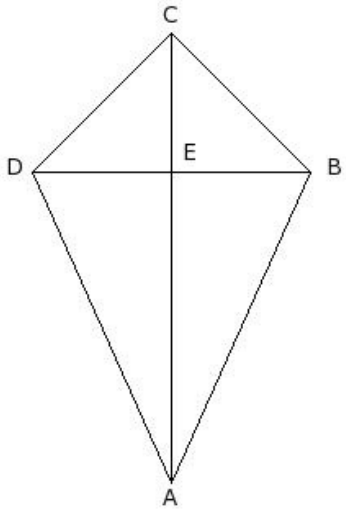
(i) KH (ii) JK (iii) HI (iv) IK (v) HJ

4. In kite OPQR, $\overline{OQ}$ and $\overline{PR}$ are diagonals. Then ∠OPQ =



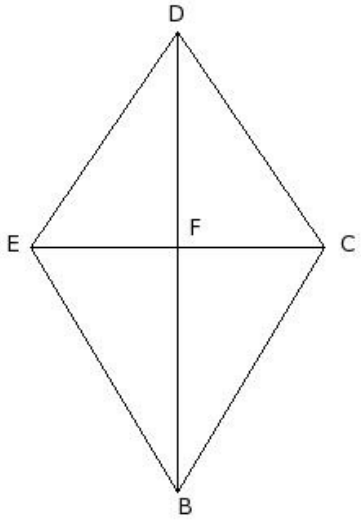
(i) ∠ORP (ii) ∠QRP (iii) ∠QRO (iv) ∠OSR (v) ∠OSP

5. In kite ABCD, $\overline{AC}$ and $\overline{BD}$ are diagonals. Then ∠AEB =



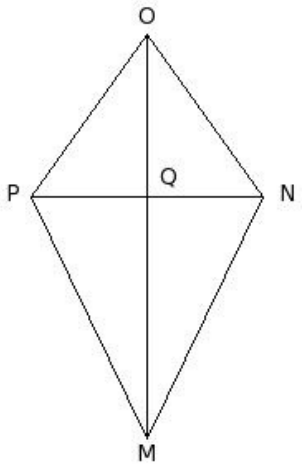
(i) ∠CDB (ii) ∠ADB (iii) ∠AED (iv) ∠CDA (v) ∠ABC

6. In kite BCDE, $\overline{BD}$ and $\overline{CE}$ are diagonals. Then $\triangle DCB \cong$



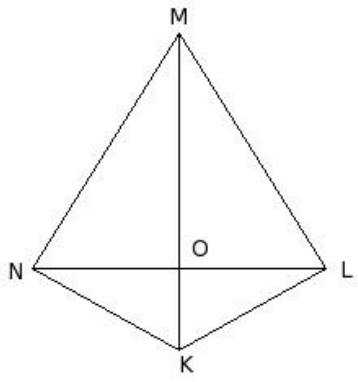
(i) $\triangle ECB$ (ii) $\triangle FEB$ (iii) $\triangle ECD$ (iv) $\triangle DEB$ (v) $\triangle FDC$

7. In kite MNOP, $\overline{MO}$ and $\overline{NP}$ are diagonals. Then $\triangle QON \cong$



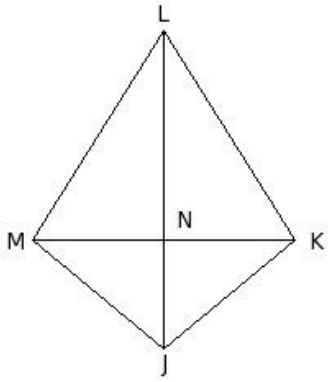
(i) $\triangle PNM$ (ii) $\triangle QOP$ (iii) $\triangle QPM$ (iv) $\triangle PNO$ (v) $\triangle QNM$

8. In kite KLMN, $\overline{KM}$ and $\overline{LN}$ are diagonals. Then $\angle LKO =$



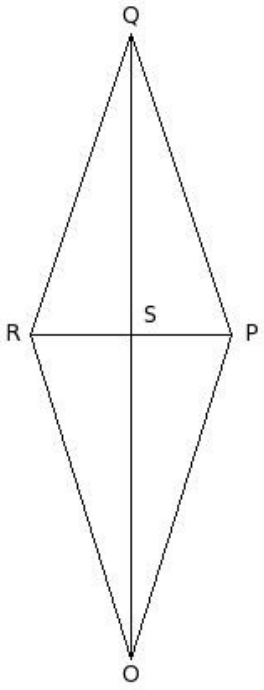
(i) $\angle OMN$ (ii) $\angle NKO$ (iii) $\angle OML$ (iv) $\angle NOM$ (v) $\angle KON$

9. In kite JKLM, $\overline{JL}$ and $\overline{KM}$ are diagonals. Then ∠NLK =



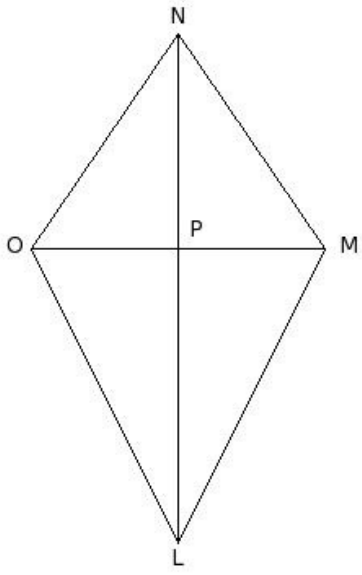
(i) ∠MJN (ii) ∠NLM (iii) ∠KJN (iv) ∠JNM (v) ∠MNL

10. In kite OPQR, $\overline{OQ}$ and $\overline{PR}$ are diagonals. Then RO =



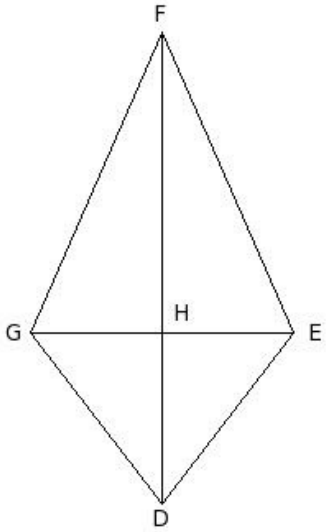
(i) OP (ii) OQ (iii) QR (iv) PR (v) PQ

11. In kite LMNO, $\overline{LN}$ and $\overline{MO}$ are diagonals. Then NO =



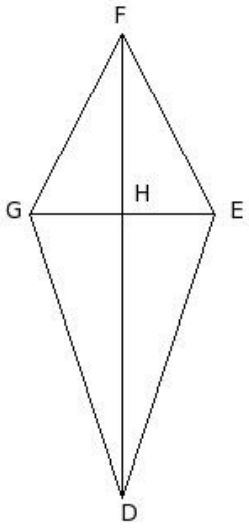
(i) LN (ii) LM (iii) MO (iv) MN (v) OL

12. In kite DEFG, $\overline{DF}$ and $\overline{EG}$ are diagonals. Then $\angle FGD =$



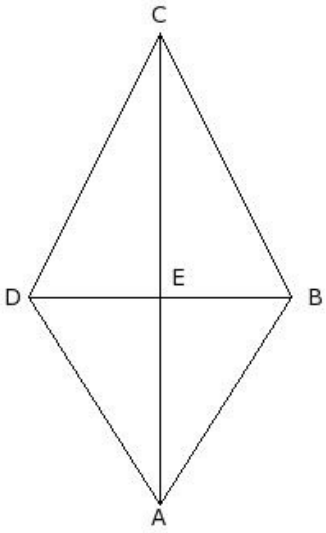
(i) $\angle FGE$ (ii) $\angle DEF$ (iii) $\angle DHE$ (iv) $\angle DHG$ (v) $\angle DGE$

13. In kite DEFG, $\overline{DF}$ and $\overline{EG}$ are diagonals. Then $\angle DHG =$



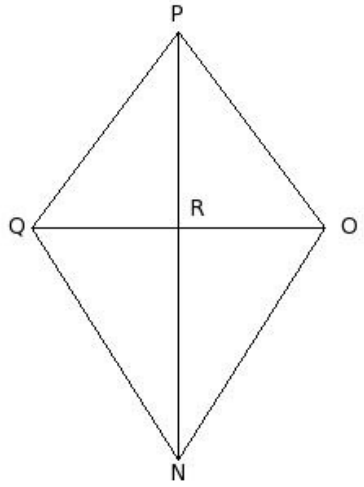
(i) $\angle DEF$ (ii) $\angle DHE$ (iii) $\angle FGD$ (iv) $\angle DGE$ (v) $\angle FGE$

14. In kite ABCD, $\overline{AC}$ and $\overline{BD}$ are diagonals. Then $\triangle CDA \cong$



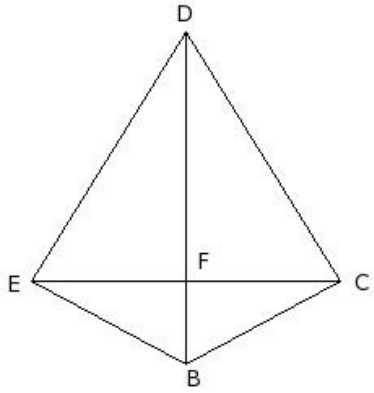
(i) $\triangle DBA$ (ii) $\triangle ECB$ (iii) $\triangle DBC$ (iv) $\triangle CBA$ (v) $\triangle EDA$

15. In kite NOPQ, $\overline{NP}$ and $\overline{OQ}$ are diagonals. Then $\triangle RQN \cong$



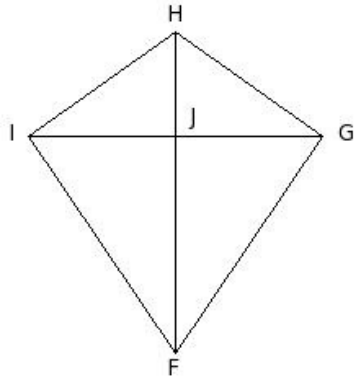
(i) $\triangle RPQ$ (ii) $\triangle RPO$ (iii) $\triangle QOP$ (iv) $\triangle RON$ (v) $\triangle QON$

16. In kite BCDE, $\overline{BD}$ and $\overline{CE}$ are diagonals. Then $\triangle FCB \cong$



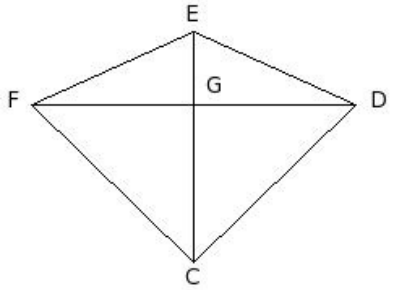
(i) $\triangle ECB$ (ii) $\triangle FDC$ (iii) $\triangle FEB$ (iv) $\triangle ECD$ (v) $\triangle FDE$

17. In kite FGHI, $\overline{FH}$ and $\overline{GI}$ are diagonals. Then $\triangle JHI \cong$



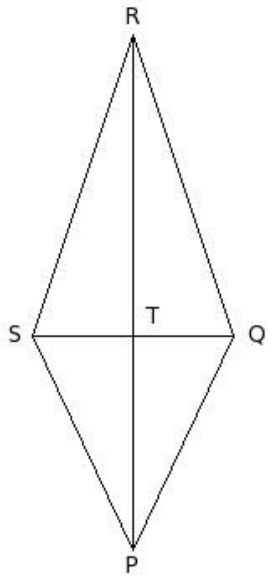
(i) $\triangle JHG$ (ii) $\triangle JGF$ (iii) $\triangle IGH$ (iv) $\triangle IGF$ (v) $\triangle JIF$

18. In kite CDEF, $\overline{CE}$ and $\overline{DF}$ are diagonals. Then $\angle FCG =$



(i) $\angle GED$ (ii) $\angle FGE$ (iii) $\angle GEF$ (iv) $\angle DCG$ (v) $\angle CGF$

19. In kite PQRS, $\overline{PR}$ and $\overline{QS}$ are diagonals. Then $\angle TRS =$



(i) $\angle TRQ$ (ii) $\angle PTS$ (iii) $\angle SPT$ (iv) $\angle QPT$ (v) $\angle STR$

Assignment Key

1) (iii)	2) (v)	3) (ii)	4) (iii)	5) (iii)	6) (iv)
7) (ii)	8) (ii)	9) (ii)	10) (i)	11) (iv)	12) (ii)
13) (ii)	14) (iv)	15) (iv)	16) (iii)	17) (i)	18) (iv)
19) (i)					