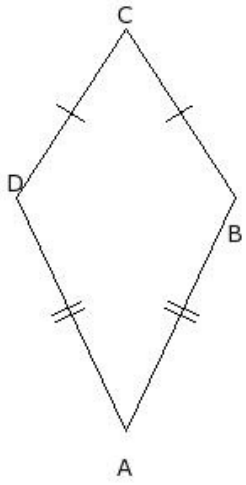
EduSahara™ Assignment

Name : Kite Properties

Chapter : Quadrilaterals

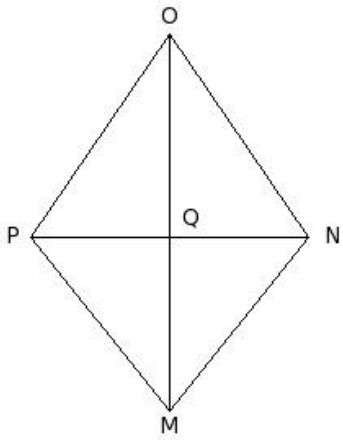
Grade : SSC Grade VII

1. Identify the figure below



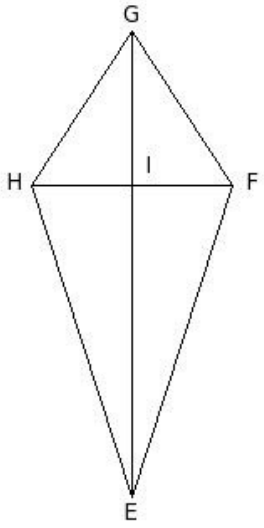
(i) rhombus (ii) square (iii) rectangle (iv) parallelogram (v) kite

2. In kite MNOP, $\overline{MO}$ and $\overline{NP}$ are diagonals. Then MN =



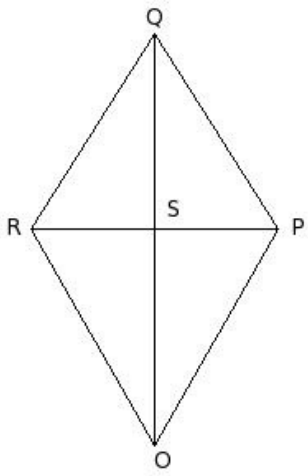
(i) PM (ii) NO (iii) MO (iv) NP (v) OP

3. In kite EFGH, $\overline{EG}$ and $\overline{FH}$ are diagonals. Then FG =



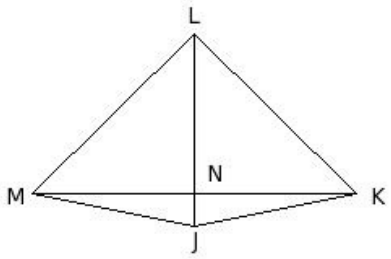
(i) HE (ii) EG (iii) GH (iv) EF (v) FH

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



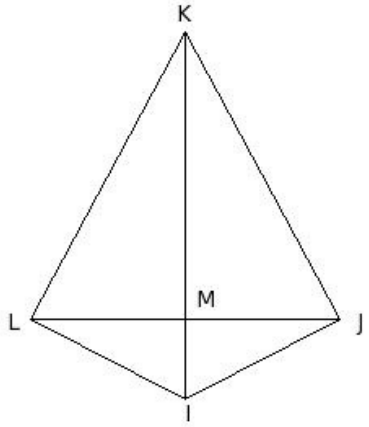
(i) ∠QRO (ii) ∠QRP (iii) ∠OSP (iv) ∠OSR (v) ∠ORP

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



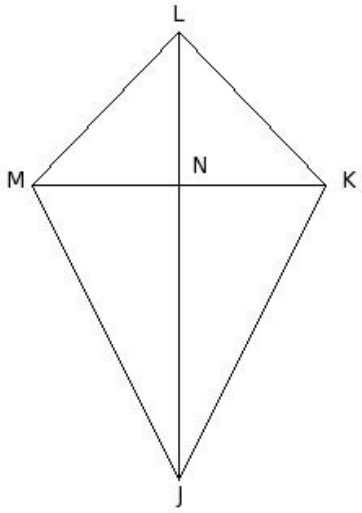
(i) ∠LMK (ii) ∠JNM (iii) ∠JMK (iv) ∠LMJ (v) ∠JKL

6. In kite IJKL, $\overline{IK}$ and $\overline{JL}$ are diagonals. Then $\triangle KJI \cong$



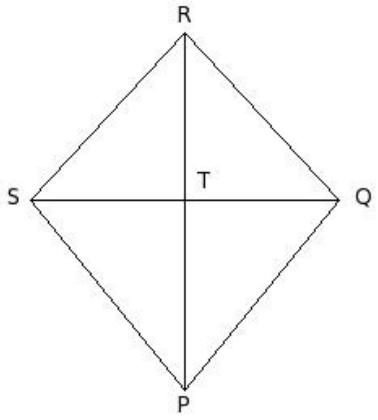
(i) $\triangle LJK$ (ii) $\triangle KLI$ (iii) $\triangle LJI$ (iv) $\triangle MKJ$ (v) $\triangle MLI$

7. In kite JKLM, $\overline{JL}$ and $\overline{KM}$ are diagonals. Then $\triangle NLK \cong$



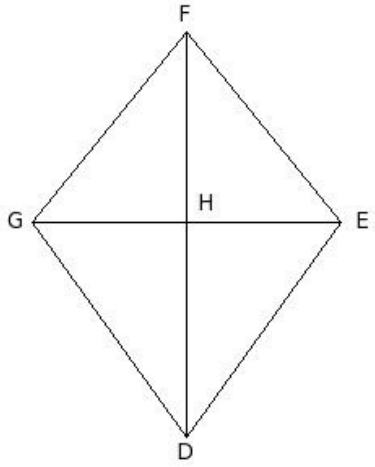
(i) $\triangle MKJ$ (ii) $\triangle NKJ$ (iii) $\triangle NLM$ (iv) $\triangle NMJ$ (v) $\triangle MKL$

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



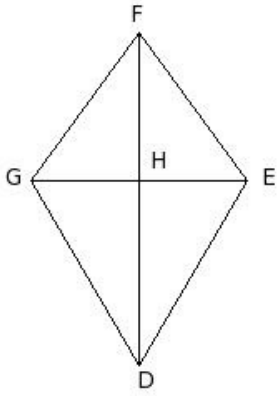
(i) $\angle PTS$ (ii) $\angle SPT$ (iii) $\angle TRS$ (iv) $\angle STR$ (v) $\angle TRQ$

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



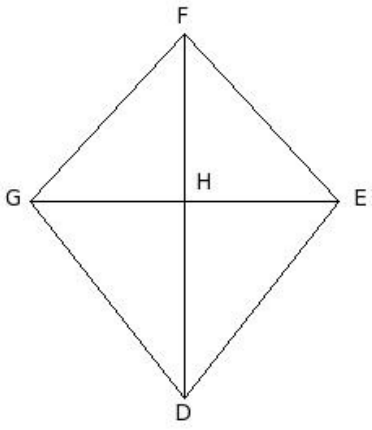
(i) $\angle GHF$ (ii) $\angle DHG$ (iii) $\angle GDH$ (iv) $\angle HFG$ (v) $\angle EDH$

10. In kite DEFG, $\overline{DF}$ and $\overline{EG}$ are diagonals. Then $GD =$



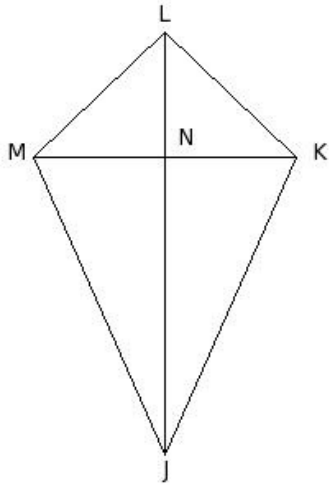
(i) FG (ii) DF (iii) DE (iv) EF (v) EG

11. In kite DEFG, $\overline{DF}$ and $\overline{EG}$ are diagonals. Then $FG =$



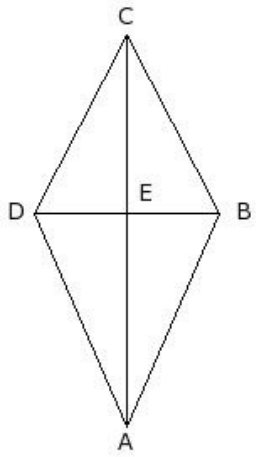
(i) DE (ii) GD (iii) EF (iv) DF (v) EG

12. In kite JKLM, $\overline{JL}$ and $\overline{KM}$ are diagonals. Then $\angle LMJ =$



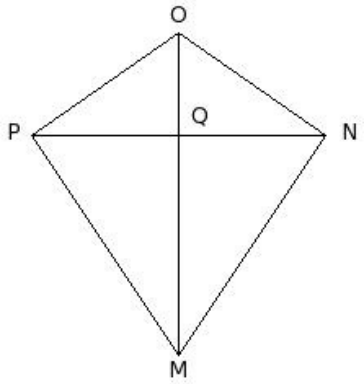
(i) $\angle JMK$ (ii) $\angle JNK$ (iii) $\angle JNM$ (iv) $\angle JKL$ (v) $\angle LMK$

13. In kite ABCD, $\overline{AC}$ and $\overline{BD}$ are diagonals. Then $\angle AED =$



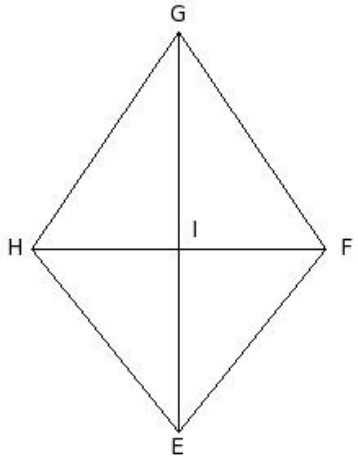
(i) $\angle ABC$ (ii) $\angle CDB$ (iii) $\angle AEB$ (iv) $\angle CDA$ (v) $\angle ADB$

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



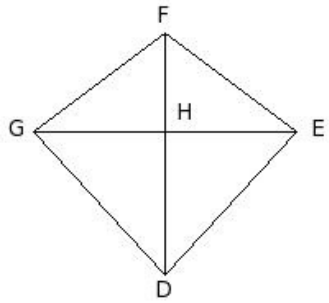
(i) $\triangle ONM$ (ii) $\triangle QON$ (iii) $\triangle PNM$ (iv) $\triangle PNO$ (v) $\triangle QPM$

15. In kite EFGH, $\overline{EG}$ and $\overline{FH}$ are diagonals. Then $\triangle IHE \cong$



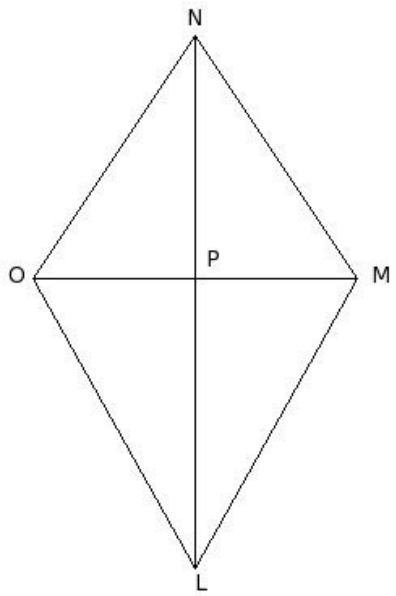
(i) $\triangle HFG$ (ii) $\triangle IGF$ (iii) $\triangle IFE$ (iv) $\triangle HFE$ (v) $\triangle IGH$

16. In kite DEFG, $\overline{DF}$ and $\overline{EG}$ are diagonals. Then $\triangle HED \cong$



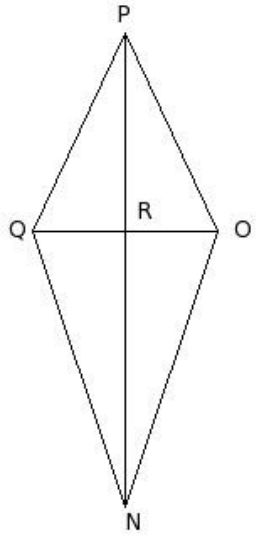
(i) $\triangle GEF$ (ii) $\triangle HFG$ (iii) $\triangle HGD$ (iv) $\triangle HFE$ (v) $\triangle GED$

17. In kite LMNO, $\overline{LN}$ and $\overline{MO}$ are diagonals. Then $\triangle PNO \cong$



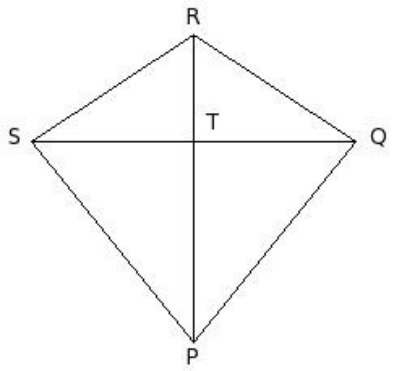
(i) $\triangle OML$ (ii) $\triangle PML$ (iii) $\triangle POL$ (iv) $\triangle PNM$ (v) $\triangle OMN$

18. In kite NOPQ, $\overline{NP}$ and $\overline{OQ}$ are diagonals. Then $\angle QNR =$



(i) $\angle RPO$ (ii) $\angle QRP$ (iii) $\angle NRQ$ (iv) $\angle ONR$ (v) $\angle RPQ$

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



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

Assignment Key

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