EduSahara™ Assignment

Name : Kite Properties

Chapter : Quadrilaterals

Grade : SSC Grade VII

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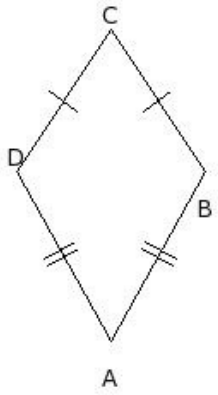
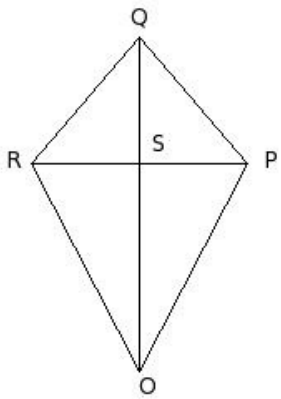
1. Identify the figure below



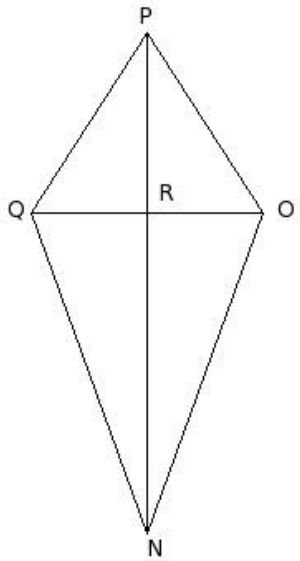
(i) angle (ii) triangle (iii) rectangle (iv) circle (v) kite

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



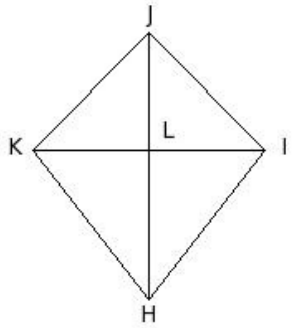
(i) RO (ii) PQ (iii) PR (iv) QR (v) OQ

3. In kite NOPQ, $\overline{NP}$ and $\overline{OQ}$ are diagonals. Then OP =



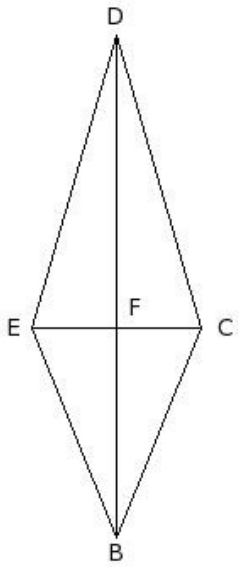
(i) OQ (ii) NO (iii) PQ (iv) NP (v) QN

4. In kite HIJK, $\overline{HJ}$ and $\overline{IK}$ are diagonals. Then $\angle HIJ =$



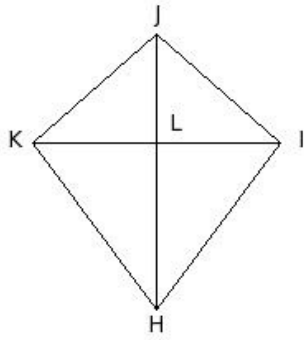
(i) $\angle JKI$ (ii) $\angle HLI$ (iii) $\angle HLK$ (iv) $\angle HKI$ (v) $\angle JKH$

5. In kite BCDE, $\overline{BD}$ and $\overline{CE}$ are diagonals. Then $\angle BFC =$



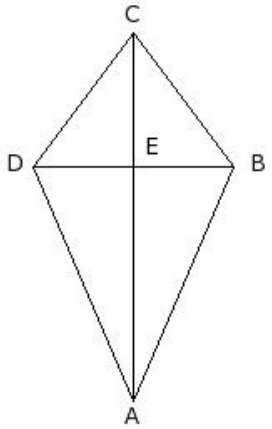
(i) $\angle BEC$ (ii) $\angle BCD$ (iii) $\angle DEC$ (iv) $\angle BFE$ (v) $\angle DEB$

6. In kite HIJK, $\overline{HJ}$ and $\overline{IK}$ are diagonals. Then $\triangle JIH \cong$



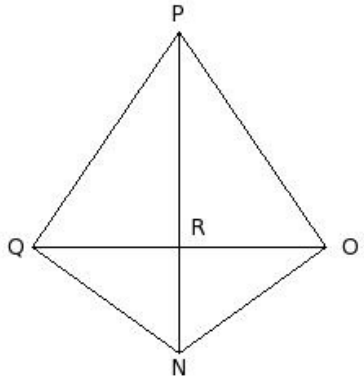
(i) $\triangle LJI$ (ii) $\triangle LKH$ (iii) $\triangle KIJ$ (iv) $\triangle KIH$ (v) $\triangle JKH$

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



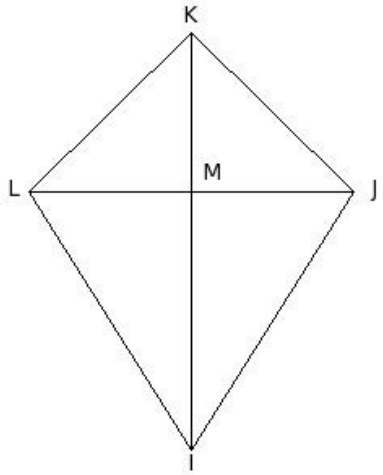
(i) $\triangle DBA$ (ii) $\triangle ECD$ (iii) $\triangle DBC$ (iv) $\triangle EDA$ (v) $\triangle EBA$

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



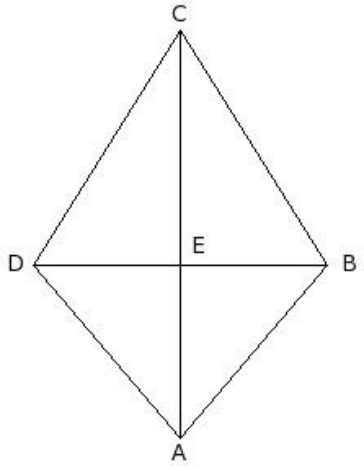
(i) $\angle QRP$ (ii) $\angle RPQ$ (iii) $\angle NRQ$ (iv) $\angle QNR$ (v) $\angle RPO$

9. In kite IJKL, $\overline{IK}$ and $\overline{JL}$ are diagonals. Then $\angle MKJ =$



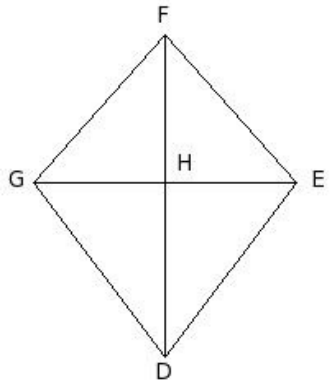
(i) $\angle MKL$ (ii) $\angle IML$ (iii) $\angle JIM$ (iv) $\angle LMK$ (v) $\angle LIM$

10. In kite ABCD, $\overline{AC}$ and $\overline{BD}$ are diagonals. Then DA =



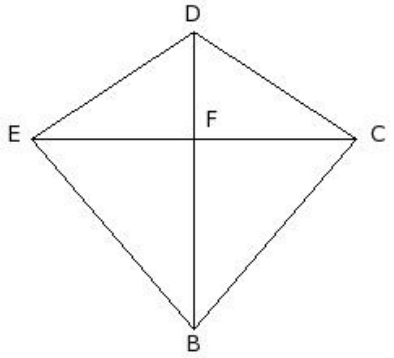
(i) AC (ii) AB (iii) BD (iv) CD (v) BC

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



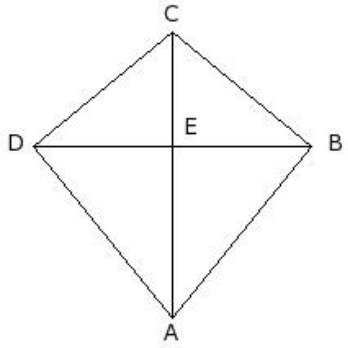
(i) EG (ii) DE (iii) DF (iv) EF (v) GD

12. In kite BCDE, $\overline{BD}$ and $\overline{CE}$ are diagonals. Then ∠DEB =



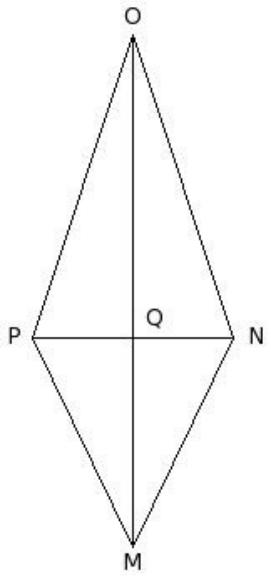
(i) ∠BFE (ii) ∠BEC (iii) ∠DEC (iv) ∠BFC (v) ∠BCD

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



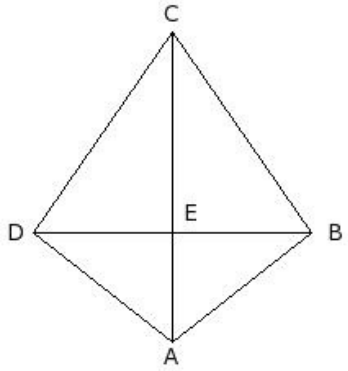
(i) $\angle ABC$ (ii) $\angle AEB$ (iii) $\angle CDB$ (iv) $\angle CDA$ (v) $\angle ADB$

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



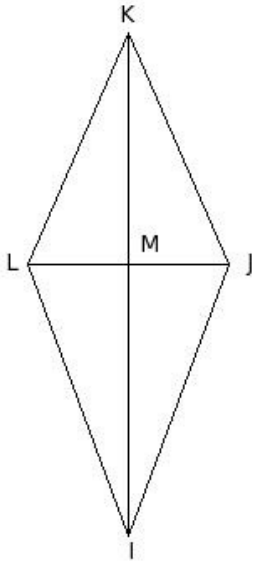
(i) $\triangle ONM$ (ii) $\triangle PNM$ (iii) $\triangle QPM$ (iv) $\triangle PNO$ (v) $\triangle QON$

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



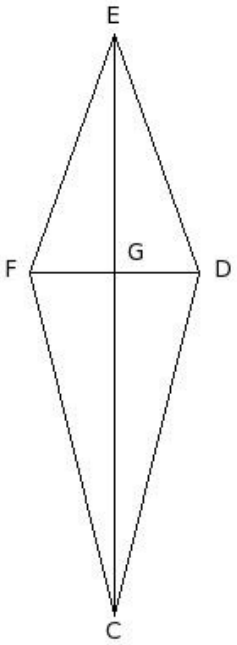
(i) $\triangle ECB$ (ii) $\triangle EBA$ (iii) $\triangle ECD$ (iv) $\triangle DBA$ (v) $\triangle DBC$

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



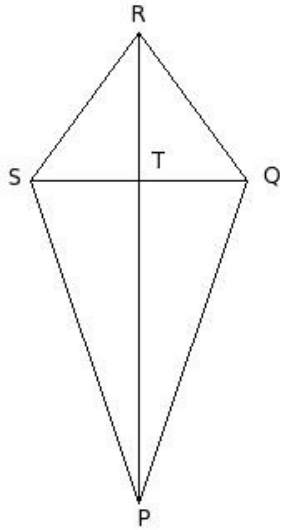
(i) $\triangle LJK$ (ii) $\triangle MKL$ (iii) $\triangle MKJ$ (iv) $\triangle LJI$ (v) $\triangle MLI$

17. In kite CDEF, $\overline{CE}$ and $\overline{DF}$ are diagonals. Then $\triangle GEF \cong$



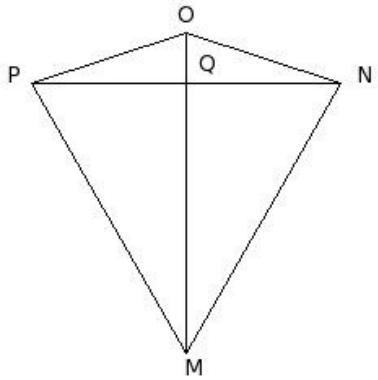
(i) $\triangle FDC$ (ii) $\triangle GED$ (iii) $\triangle GDC$ (iv) $\triangle FDE$ (v) $\triangle GFC$

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



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

19. In kite MNOP, $\overline{MO}$ and $\overline{NP}$ are diagonals. Then $\angle QOP =$



(i) $\angle PMQ$ (ii) $\angle MQP$ (iii) $\angle QON$ (iv) $\angle PQO$ (v) $\angle NMQ$

Assignment Key

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

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