EduSahara™ Assignment

Name : Kite Properties Using Diagrams

Chapter : Quadrilaterals

Grade : ICSE Grade VII

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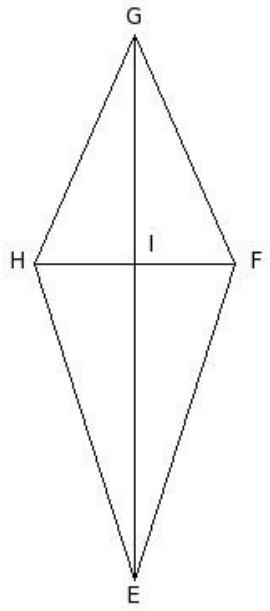
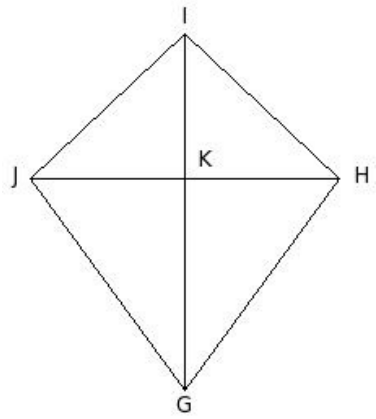
1. In kite EFGH, $\overline{EG}$ and $\overline{FH}$ are diagonals. Then EF =



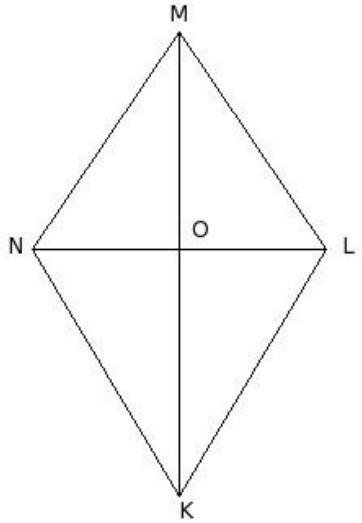
(i) HE (ii) EG (iii) GH (iv) FH (v) FG

2. In kite GHIJ, $\overline{GI}$ and $\overline{HJ}$ are diagonals. Then JG =



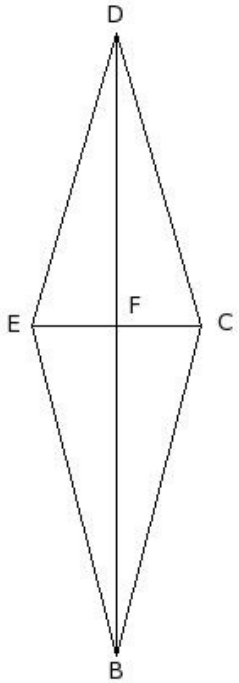
(i) GH (ii) HI (iii) IJ (iv) GI (v) HJ

3. In kite KLMN, $\overline{KM}$ and $\overline{LN}$ are diagonals. Then LM =



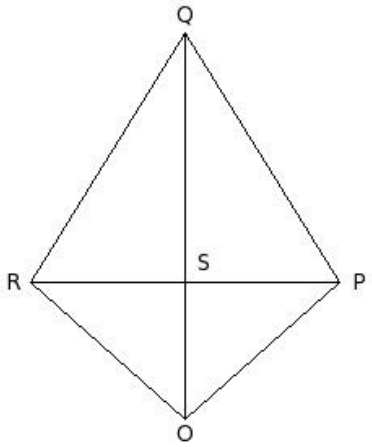
(i) KL (ii) LN (iii) MN (iv) NK (v) KM

4. In kite BCDE, $\overline{BD}$ and $\overline{CE}$ are diagonals. Then DE =



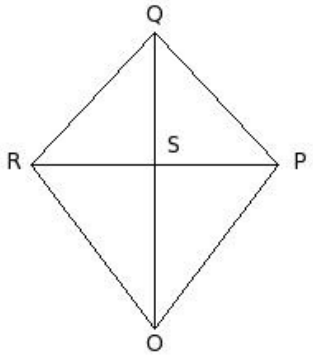
(i) EB (ii) BC (iii) BD (iv) CD (v) CE

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



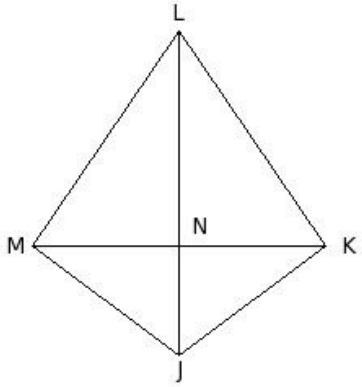
(i) ∠OSP (ii) ∠ORP (iii) ∠QRP (iv) ∠QRO (v) ∠OSR

6. In kite $OPQR$, $\overline{OQ}$ and $\overline{PR}$ are diagonals. Then $\angle QRO =$



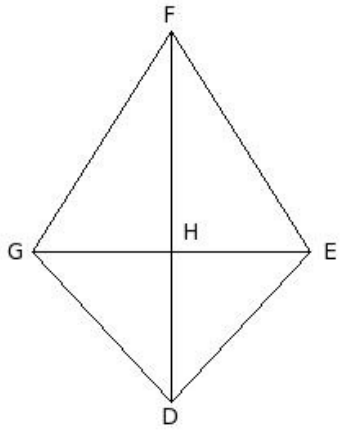
(i) $\angle OSR$ (ii) $\angle OPQ$ (iii) $\angle QRP$ (iv) $\angle OSP$ (v) $\angle ORP$

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



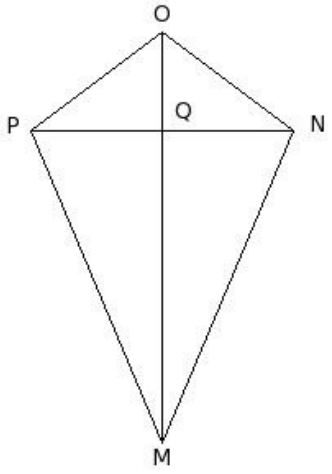
(i) $\angle LMJ$ (ii) $\angle JKL$ (iii) $\angle JNK$ (iv) $\angle LMK$ (v) $\angle JMK$

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



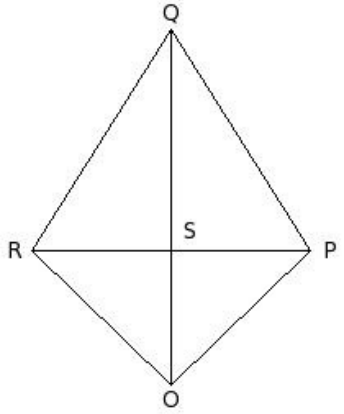
(i) $\angle DGE$ (ii) $\angle FGE$ (iii) $\angle DEF$ (iv) $\angle FGD$ (v) $\angle DHG$

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



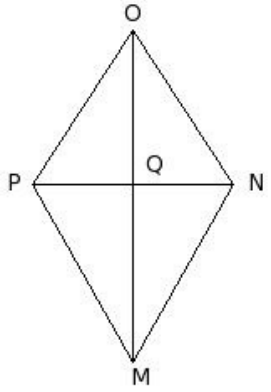
(i) $\triangle PNO$ (ii) $\triangle ONM$ (iii) $\triangle QON$ (iv) $\triangle QPM$ (v) $\triangle PNM$

10. In kite OPQR, $\overline{OQ}$ and $\overline{PR}$ are diagonals. Then $\triangle QPO \cong$



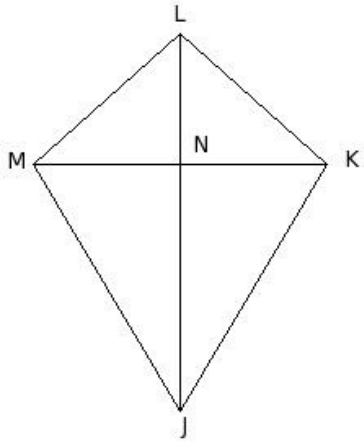
(i) $\triangle QRO$ (ii) $\triangle RPQ$ (iii) $\triangle RPO$ (iv) $\triangle SQP$ (v) $\triangle SRO$

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



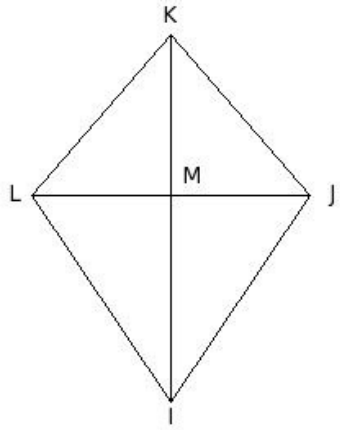
(i) $\triangle PNM$ (ii) $\triangle QON$ (iii) $\triangle PNO$ (iv) $\triangle QNM$ (v) $\triangle QOP$

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



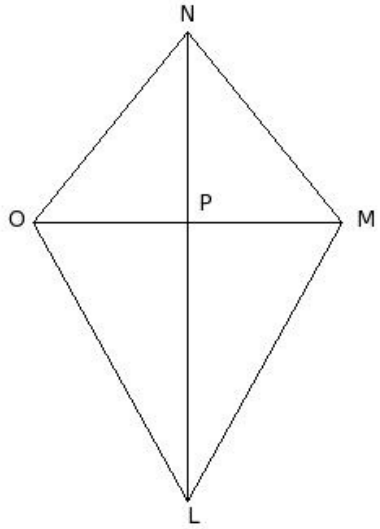
(i) $\triangle NLK$ (ii) $\triangle MKJ$ (iii) $\triangle MKL$ (iv) $\triangle NMJ$ (v) $\triangle NLM$

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



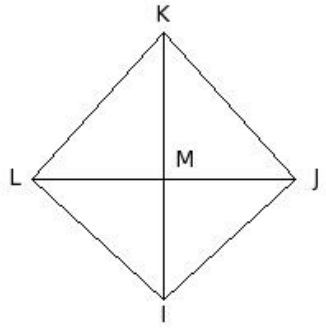
(i) $\triangle MLI$ (ii) $\triangle MKJ$ (iii) $\triangle MJI$ (iv) $\triangle LJI$ (v) $\triangle LJK$

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



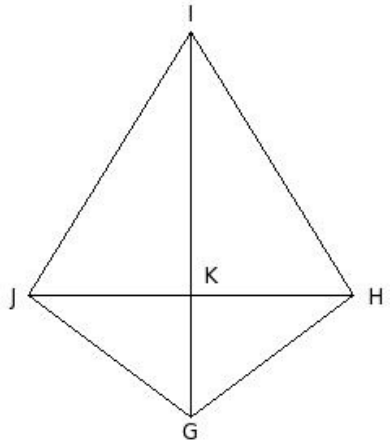
(i) $\triangle PML$ (ii) $\triangle OML$ (iii) $\triangle PNO$ (iv) $\triangle POL$ (v) $\triangle OMN$

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



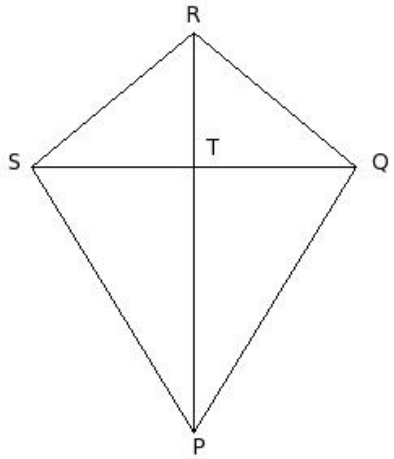
(i) $\angle IML$ (ii) $\angle LMK$ (iii) $\angle MKL$ (iv) $\angle JIM$ (v) $\angle MKJ$

16. In kite GHIJ, $\overline{GI}$ and $\overline{HJ}$ are diagonals. Then $\angle HGK =$



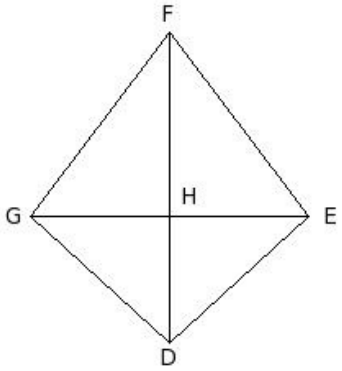
(i) $\angle KIH$ (ii) $\angle JGK$ (iii) $\angle JKI$ (iv) $\angle KIJ$ (v) $\angle GKJ$

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



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

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



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

Assignment Key

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

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