

## EduSahara™ Learning Center Assignment

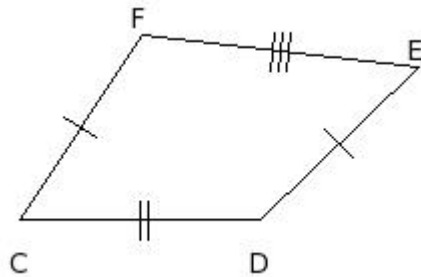
**Grade** : Class VI, CBSE

**Chapter** : Basic Geometrical Ideas

**Name** : Quadrilaterals

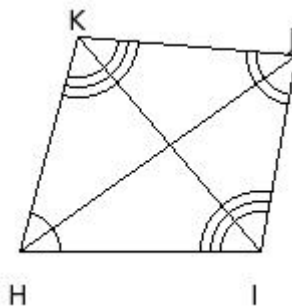
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1. Identify the figure below



(i) quadrilateral (ii) pentagon (iii) octagon (iv) triangle (v) nonagon

2. The sides of the quadrilateral are



(i)  $\overline{HI}$ ,  $\overline{IJ}$ ,  $\overline{JK}$ ,  $\overline{KH}$

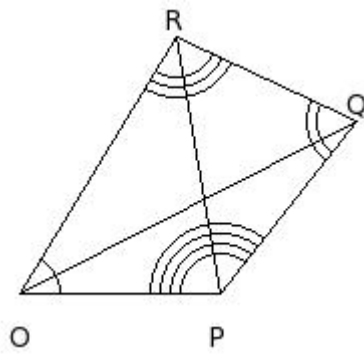
(ii)  $\overline{HI}$ ,  $\overline{IJ}$ ,  $\overline{JL}$ ,  $\overline{LH}$

(iii)  $\overline{HJ}$ ,  $\overline{JK}$ ,  $\overline{KI}$ ,  $\overline{IH}$

(iv)  $\overline{HI}$ ,  $\overline{IK}$ ,  $\overline{KL}$ ,  $\overline{LH}$

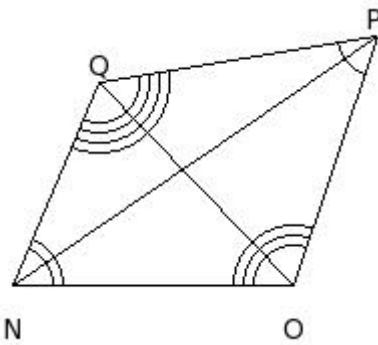
(v)  $\overline{HJ}$ ,  $\overline{JI}$ ,  $\overline{IK}$ ,  $\overline{KH}$

3. The name of the quadrilateral is



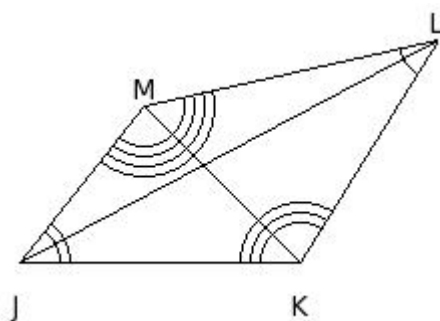
- (i) OPRS
- (ii) OQPR
- (iii) OPQS
- (iv) OQRP
- (v) OPQR

4. The angles of the quadrilateral are



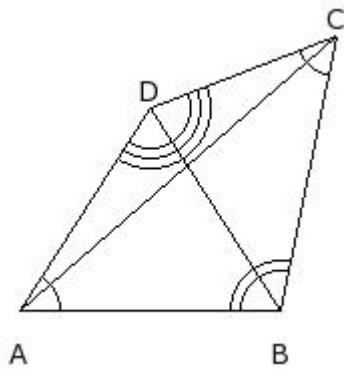
- (i)  $\angle N, \angle O, \angle Q, \angle R$
- (ii)  $\angle N, \angle O, \angle Q, \angle S$
- (iii)  $\angle N, \angle O, \angle P, \angle Q$
- (iv)  $\angle N, \angle O, \angle P, \angle R$
- (v)  $\angle N, \angle O, \angle P, \angle S$

5. The vertices of the quadrilateral are



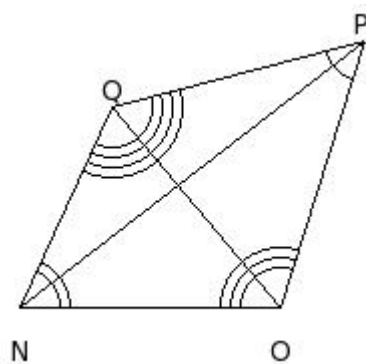
- (i) J , K , L , O
  - (ii) J , K , L , N
  - (iii) J , K , M , O
  - (iv) J , K , L , M
  - (v) J , K , M , N
- 

6. The diagonals of the quadrilateral are



- (i)  $\overline{BE} , \overline{AC}$
  - (ii)  $\overline{CB} , \overline{AD}$
  - (iii)  $\overline{CD} , \overline{AB}$
  - (iv)  $\overline{BD} , \overline{AC}$
  - (v)  $\overline{BE} , \overline{AD}$
- 

7. The adjacent sides of the quadrilateral are



(i)  $\overline{NO} \& \overline{OP}$  ,  $\overline{OP} \& \overline{PQ}$  ,  $\overline{PQ} \& \overline{QN}$  ,  $\overline{QN} \& \overline{NO}$

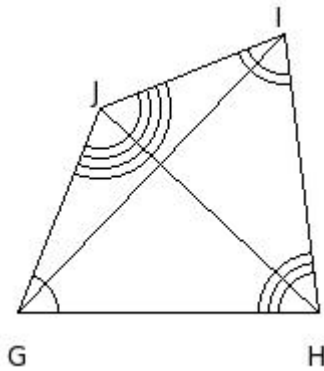
(ii)  $\overline{NO} \& \overline{OP}$  ,  $\overline{OP} \& \overline{PR}$  ,  $\overline{PR} \& \overline{RN}$  ,  $\overline{RN} \& \overline{NO}$

(iii)  $\overline{NP} \& \overline{PO}$  ,  $\overline{PO} \& \overline{OQ}$  ,  $\overline{OQ} \& \overline{QN}$  ,  $\overline{QN} \& \overline{NP}$

(iv)  $\overline{NO} \& \overline{OQ}$  ,  $\overline{OQ} \& \overline{QR}$  ,  $\overline{QR} \& \overline{RN}$  ,  $\overline{RN} \& \overline{NO}$

(v)  $\overline{NP} \& \overline{PQ}$  ,  $\overline{PQ} \& \overline{QO}$  ,  $\overline{QO} \& \overline{ON}$  ,  $\overline{ON} \& \overline{NP}$

8. The opposite sides of the quadrilateral are



(i)  $\overline{GI} \& \overline{JH}$  ,  $\overline{IJ} \& \overline{HG}$

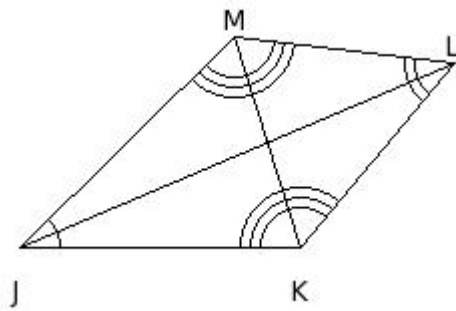
(ii)  $\overline{GH} \& \overline{IK}$  ,  $\overline{HI} \& \overline{KG}$

(iii)  $\overline{GH} \& \overline{IJ}$  ,  $\overline{HI} \& \overline{JG}$

(iv)  $\overline{GH} \& \overline{JK}$  ,  $\overline{HJ} \& \overline{KG}$

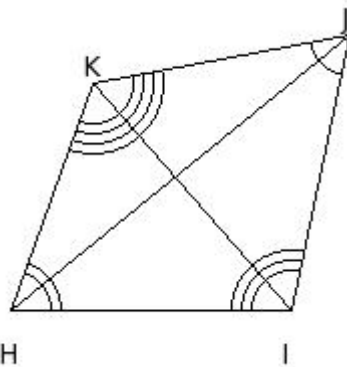
(v)  $\overline{GI} \& \overline{HJ}$  ,  $\overline{IH} \& \overline{JG}$

9. The adjacent angles of the quadrilateral are



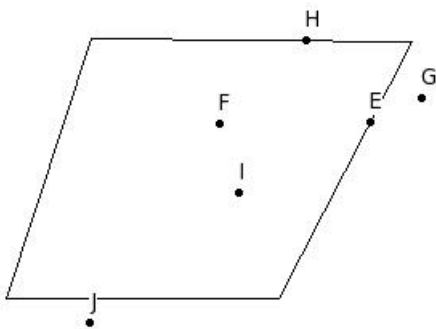
- (i)  $\angle J$  &  $\angle K$ ,  $\angle K$  &  $\angle L$ ,  $\angle L$  &  $\angle M$ ,  $\angle M$  &  $\angle J$
- (ii)  $\angle J$  &  $\angle L$ ,  $\angle L$  &  $\angle M$ ,  $\angle M$  &  $\angle K$ ,  $\angle K$  &  $\angle J$
- (iii)  $\angle J$  &  $\angle K$ ,  $\angle K$  &  $\angle L$ ,  $\angle L$  &  $\angle N$ ,  $\angle N$  &  $\angle J$
- (iv)  $\angle J$  &  $\angle L$ ,  $\angle L$  &  $\angle K$ ,  $\angle K$  &  $\angle M$ ,  $\angle M$  &  $\angle J$
- (v)  $\angle J$  &  $\angle K$ ,  $\angle K$  &  $\angle M$ ,  $\angle M$  &  $\angle N$ ,  $\angle N$  &  $\angle J$

10. The opposite angles of the quadrilateral are



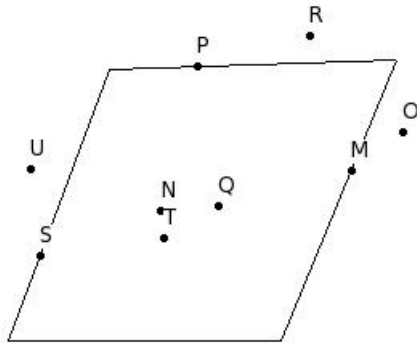
- (i)  $\angle H$  &  $\angle I$ ,  $\angle J$  &  $\angle K$
- (ii)  $\angle H$  &  $\angle K$ ,  $\angle J$  &  $\angle I$
- (iii)  $\angle H$  &  $\angle K$ ,  $\angle I$  &  $\angle L$
- (iv)  $\angle H$  &  $\angle J$ ,  $\angle I$  &  $\angle K$
- (v)  $\angle H$  &  $\angle J$ ,  $\angle I$  &  $\angle L$

11. Identify the points that are on the quadrilateral



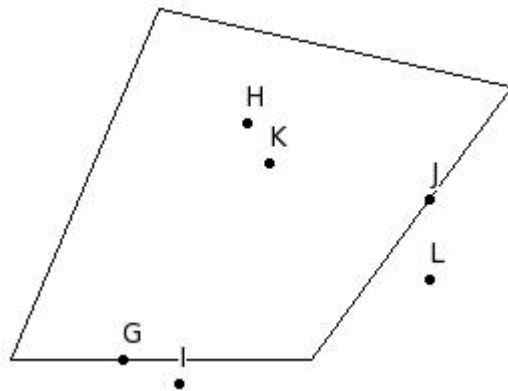
- (i) {F,I} (ii) {I,E} (iii) {H,J} (iv) {E,H} (v) {G,J}
- 

12. Identify the points that are inside the quadrilateral



- (i) {N,Q,T} (ii) {M,N,Q} (iii) {M,P,S} (iv) {O,R,U} (v) {N,R,T}
- 

13. Identify the points that are outside the quadrilateral



- (i) {L,J} (ii) {G,J} (iii) {H,K} (iv) {I,K} (v) {I,L}
-

## Assignment Key

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- 1) (i)
- 2) (i)
- 3) (v)
- 4) (iii)
- 5) (iv)
- 6) (iv)
- 7) (i)
- 8) (iii)
- 9) (i)
- 10) (iv)
- 11) (iv)
- 12) (i)
- 13) (v)