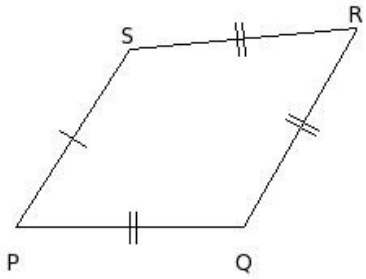
EduSahara™ Assignment

Name : Quadrilaterals

Chapter : Basic Geometrical Ideas

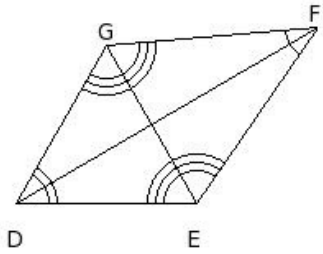
Grade : CBSE Grade VI

1. Identify the figure below



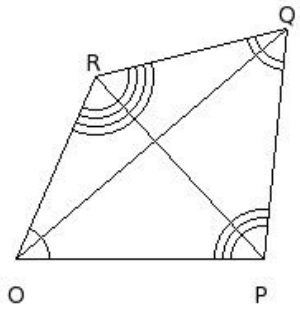
(i) quadrilateral (ii) decagon (iii) pentagon (iv) heptagon (v) hexagon

2. The sides of the quadrilateral are



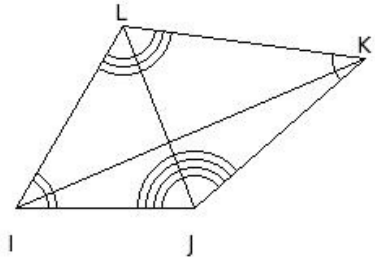
(i) $\overline{DE}, \overline{EF}, \overline{FH}, \overline{HD}$ (ii) $\overline{DE}, \overline{EF}, \overline{FG}, \overline{GD}$ (iii) $\overline{DE}, \overline{EG}, \overline{GH}, \overline{HD}$ (iv) $\overline{DF}, \overline{FE}, \overline{EG}, \overline{GD}$ (v) $\overline{DF}, \overline{FG}, \overline{GE}, \overline{ED}$

3. The name of the quadrilateral is



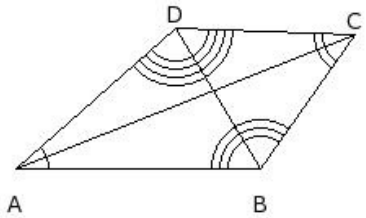
(i) OQPR (ii) OPQR (iii) OPRS (iv) OPQS (v) OQRP

4. The angles of the quadrilateral are



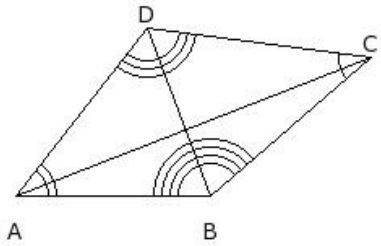
(i) $\angle I, \angle J, \angle L, \angle M$ (ii) $\angle I, \angle J, \angle K, \angle N$ (iii) $\angle I, \angle J, \angle L, \angle N$ (iv) $\angle I, \angle J, \angle K, \angle L$ (v) $\angle I, \angle J, \angle K, \angle M$

5. The vertices of the quadrilateral are



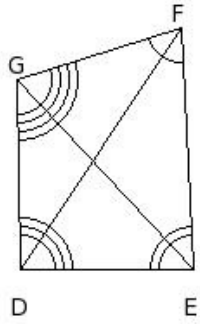
(i) A , B , D , E (ii) A , B , C , D (iii) A , B , C , E (iv) A , B , C , F (v) A , B , D , F

6. The diagonals of the quadrilateral are



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

7. The adjacent sides of the quadrilateral are

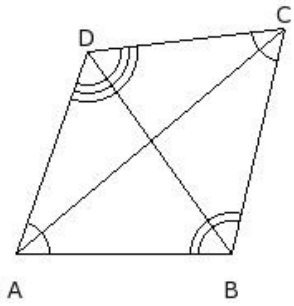


(i) $\overline{DE}$ & $\overline{EG}$, $\overline{EG}$ & $\overline{GH}$, $\overline{GH}$ & $\overline{HD}$, $\overline{HD}$ & $\overline{DE}$ (ii) $\overline{DE}$ & $\overline{EF}$, $\overline{EF}$ & $\overline{FG}$, $\overline{FG}$ & $\overline{GD}$, $\overline{GD}$ & $\overline{DE}$

(iii) $\overline{DF}$ & $\overline{FG}$, $\overline{FG}$ & $\overline{GE}$, $\overline{GE}$ & $\overline{ED}$, $\overline{ED}$ & $\overline{DF}$ (iv) $\overline{DE}$ & $\overline{EF}$, $\overline{EF}$ & $\overline{FH}$, $\overline{FH}$ & $\overline{HD}$, $\overline{HD}$ & $\overline{DE}$

(v) $\overline{DF}$ & $\overline{FE}$, $\overline{FE}$ & $\overline{EG}$, $\overline{EG}$ & $\overline{GD}$, $\overline{GD}$ & $\overline{DF}$

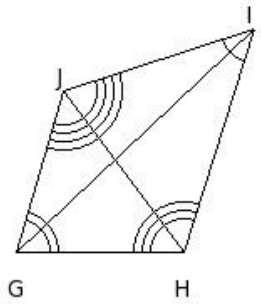
8. The opposite sides of the quadrilateral are



(i) $\overline{AB}$ & $\overline{CD}$, $\overline{BC}$ & $\overline{DA}$ (ii) $\overline{AB}$ & $\overline{DE}$, $\overline{BD}$ & $\overline{EA}$ (iii) $\overline{AC}$ & $\overline{BD}$, $\overline{CB}$ & $\overline{DA}$ (iv) $\overline{AC}$ & $\overline{DB}$, $\overline{CD}$ & $\overline{BA}$

(v) $\overline{AB}$ & $\overline{CE}$, $\overline{BC}$ & $\overline{EA}$

9. The adjacent angles of the quadrilateral are

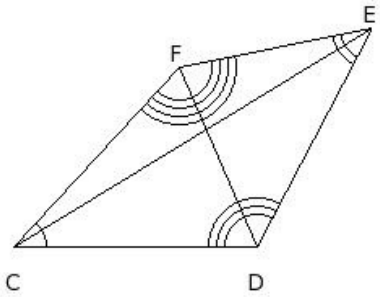


(i) ∠G & ∠I , ∠I & ∠H , ∠H & ∠J , ∠J & ∠G (ii) ∠G & ∠H , ∠H & ∠J , ∠J & ∠K , ∠K & ∠G

(iii) ∠G & ∠H , ∠H & ∠I , ∠I & ∠K , ∠K & ∠G (iv) ∠G & ∠I , ∠I & ∠J , ∠J & ∠H , ∠H & ∠G

(v) ∠G & ∠H , ∠H & ∠I , ∠I & ∠J , ∠J & ∠G

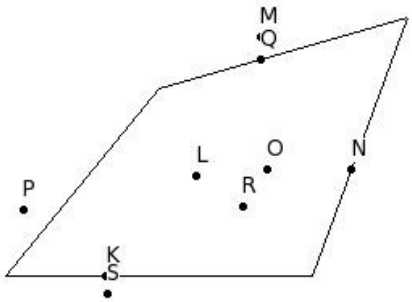
10. The opposite angles of the quadrilateral are



(i) ∠C & ∠F , ∠D & ∠G (ii) ∠C & ∠F , ∠E & ∠D (iii) ∠C & ∠E , ∠D & ∠F (iv) ∠C & ∠D , ∠E & ∠F

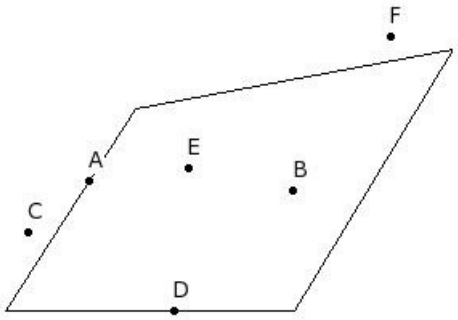
(v) ∠C & ∠E , ∠D & ∠G

11. Identify the points that are on the quadrilateral



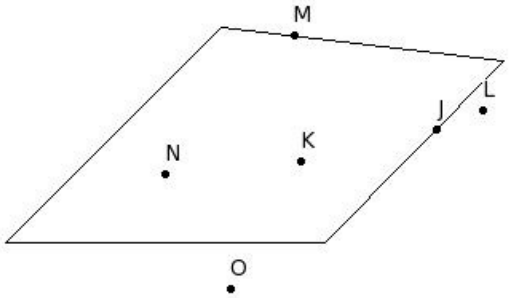
(i) {K,P,Q} (ii) {K,N,Q} (iii) {N,K,O} (iv) {L,O,R} (v) {M,P,S}

12. Identify the points that are inside the quadrilateral



(i) {B,C} (ii) {A,D} (iii) {B,E} (iv) {C,F} (v) {E,D}

13. Identify the points that are outside the quadrilateral



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

Assignment Key

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