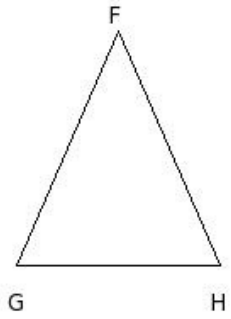
EduSahara™ Assignment

Name : Triangles

Chapter : Basic Geometrical Ideas

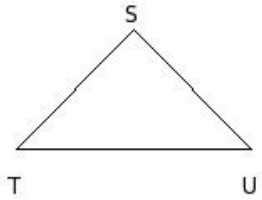
Grade : CBSE Grade VI

1. Identify the figure below



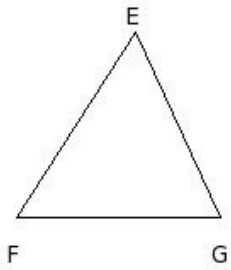
(i) triangle (ii) quadrilateral (iii) octagon (iv) nonagon (v) heptagon

2. The side opposite to the vertex S



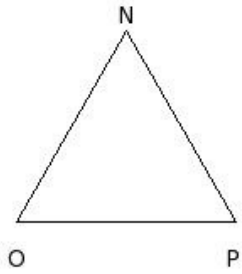
(i) $\overline{ST}$ (ii) $\overline{SW}$ (iii) $\overline{VT}$ (iv) $\overline{TU}$ (v) $\overline{US}$

3. The side opposite to the vertex F



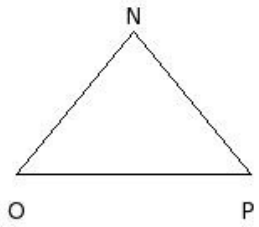
(i) $\overline{FG}$ (ii) $\overline{HF}$ (iii) $\overline{EI}$ (iv) $\overline{GE}$ (v) $\overline{EF}$

4. The side opposite to the vertex P



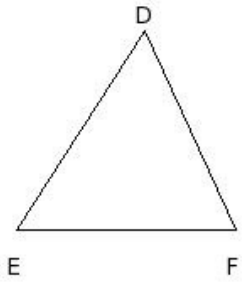
(i) $\overline{PN}$ (ii) $\overline{QO}$ (iii) $\overline{NO}$ (iv) $\overline{OP}$ (v) $\overline{NR}$

5. The vertex opposite to the side $\overline{OP}$



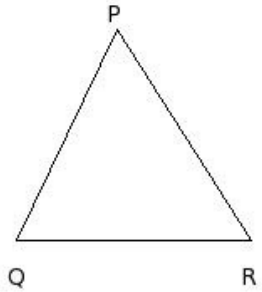
(i) N (ii) R (iii) O (iv) $\overline{PQ}$

6. The vertex opposite to the side $\overline{FD}$



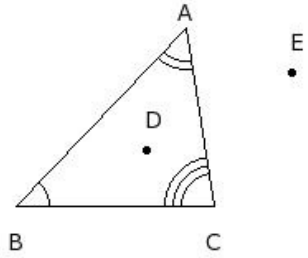
(i) $\overline{FG}$ (ii) H (iii) D (iv) E

7. The vertex opposite to the side $\overline{PQ}$



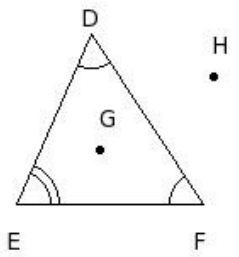
(i) R (ii) P (iii) $\overline{RS}$ (iv) Q

8. The sides of the triangle are



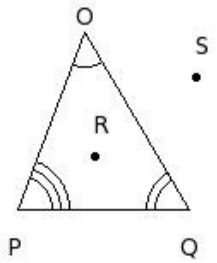
(i) $\overline{DE}, \overline{EC}, \overline{CD}$ (ii) $\overline{BC}, \overline{CA}, \overline{AB}$ (iii) $\overline{BD}, \overline{DA}, \overline{AB}$ (iv) $\overline{CD}, \overline{DB}, \overline{BC}$ (v) $\overline{CE}, \overline{EB}, \overline{BC}$

9. The name of the triangle is



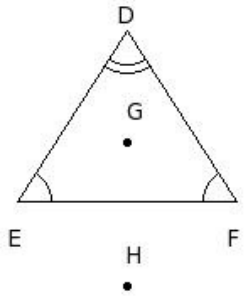
(i) △DEG (ii) △EFG (iii) △DEF (iv) △FGH (v) △EFH

10. The angles of the triangle are



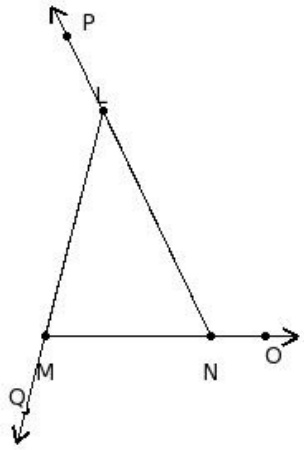
(i) ∠O , ∠P , ∠Q (ii) ∠Q , ∠R , ∠S (iii) ∠P , ∠Q , ∠S (iv) ∠P , ∠Q , ∠R (v) ∠O , ∠P , ∠R

11. The vertices of the triangle are



(i) D , E , G (ii) E , F , G (iii) D , E , F (iv) F , G , H (v) E , F , H

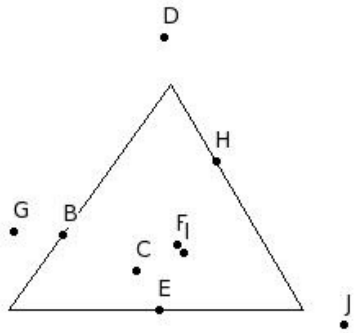
12. The exterior angles of the triangle are



(i) ∠OPM , ∠PMN , ∠QNP (ii) ∠POM , ∠QMN , ∠RNO (iii) ∠ONL , ∠PLM , ∠QMN (iv) ∠QPN , ∠RNO , ∠SOP

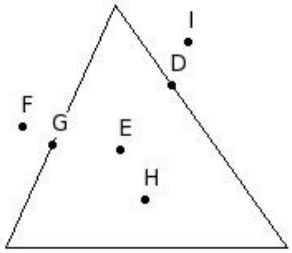
(v) ∠NOL , ∠OLM , ∠PMO

13. Identify the points that are on the triangle



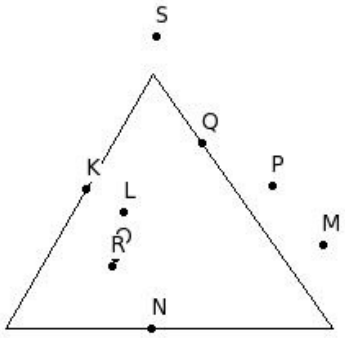
(i) {D,G,J} (ii) {H,B,F} (iii) {C,F,I} (iv) {E,G,H} (v) {B,E,H}

14. Identify the points that are inside the triangle



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

15. Identify the points that are outside the triangle



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

Assignment Key

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