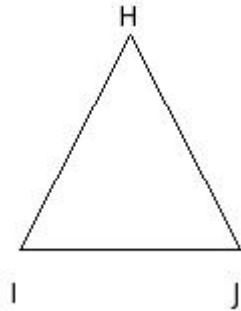


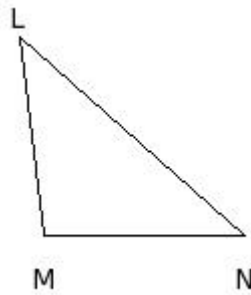
EduSahara™ Learning Center Assignment**Grade : Class VI, CBSE****Chapter : Basic Geometrical Ideas****Name : Triangles****Licensed To : Teachers and Students for non-commercial use**

1. Identify the figure below

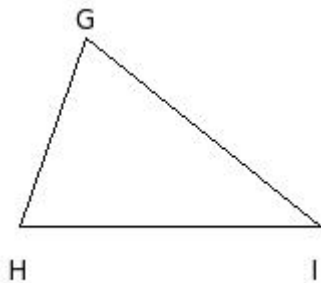


(i) pentagon (ii) decagon (iii) octagon (iv) quadrilateral (v) triangle

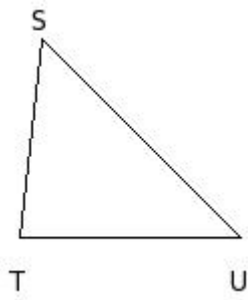
2. The side opposite to the vertex L

(i) $\overline{LM}$ (ii) $\overline{LP}$ (iii) $\overline{OM}$ (iv) $\overline{MN}$ (v) $\overline{NL}$

3. The side opposite to the vertex H

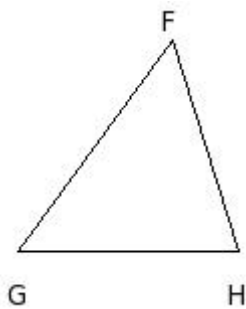
(i) $\overline{HI}$ (ii) $\overline{GH}$ (iii) $\overline{JH}$ (iv) $\overline{GK}$ (v) $\overline{IG}$

4. The side opposite to the vertex U



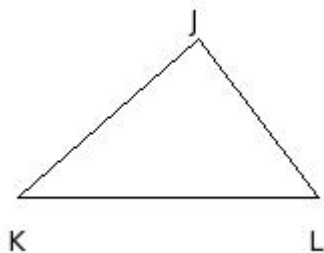
- (i) $\overline{ST}$ (ii) $\overline{SW}$ (iii) $\overline{VT}$ (iv) $\overline{TU}$ (v) $\overline{US}$
-

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



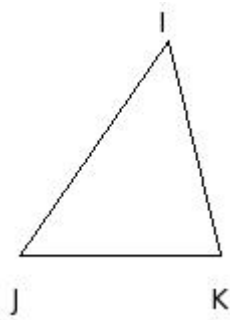
- (i) G (ii) F (iii) $\overline{HI}$ (iv) J
-

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



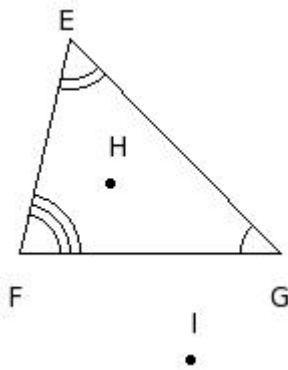
- (i) J (ii) K (iii) $\overline{LM}$ (iv) N
-

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



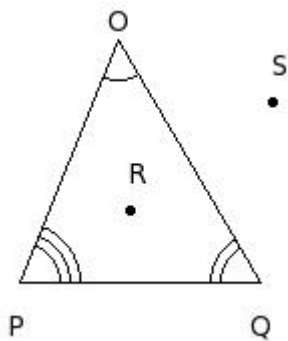
- (i) K (ii) I (iii) J (iv) $\overline{KL}$

8. The sides of the triangle are



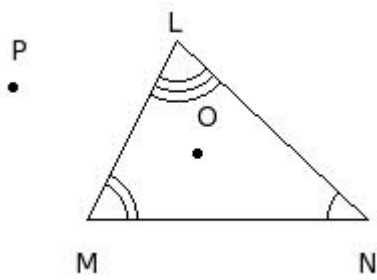
- (i) $\overline{HI}$, $\overline{IG}$, $\overline{GH}$ (ii) $\overline{GH}$, $\overline{HF}$, $\overline{FG}$ (iii) $\overline{GI}$, $\overline{IF}$, $\overline{FG}$
 (iv) $\overline{FH}$, $\overline{HE}$, $\overline{EF}$ (v) $\overline{FG}$, $\overline{GE}$, $\overline{EF}$

9. The name of the triangle is



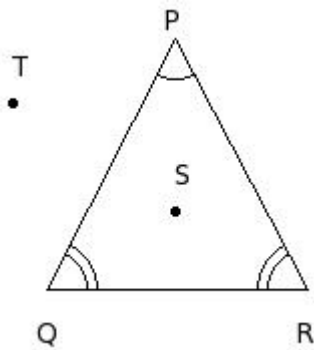
- (i) $\triangle PQR$ (ii) $\triangle PQS$ (iii) $\triangle OPQ$ (iv) $\triangle QRS$ (v) $\triangle OPR$

10. The angles of the triangle are



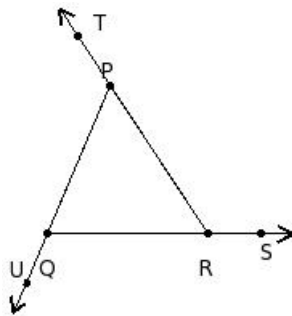
- (i) $\angle N, \angle O, \angle P$ (ii) $\angle M, \angle N, \angle P$ (iii) $\angle M, \angle N, \angle O$
 (iv) $\angle L, \angle M, \angle N$ (v) $\angle L, \angle M, \angle O$

11. The vertices of the triangle are



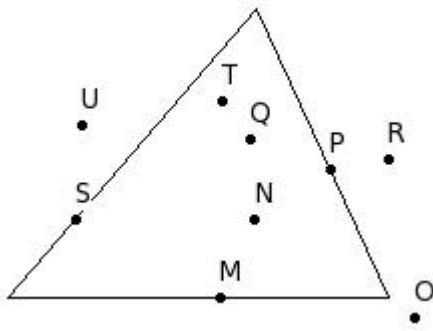
- (i) P, Q, S (ii) Q, R, T (iii) P, Q, R (iv) R, S, T (v) Q, R, S

12. The exterior angles of the triangle are



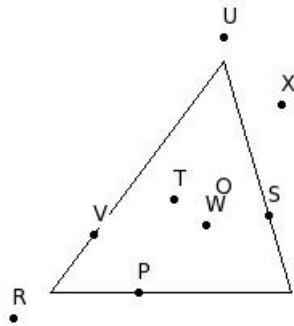
- (i) $\angle UTR, \angle VRS, \angle WST$
 (ii) $\angle RSP, \angle SPQ, \angle TQS$
 (iii) $\angle SRP, \angle TPQ, \angle UQR$
 (iv) $\angle TSQ, \angle UQR, \angle VRS$
 (v) $\angle STQ, \angle TQR, \angle URT$

13. Identify the points that are on the triangle



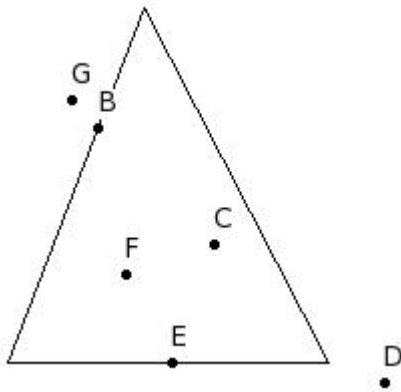
- (i) {N,Q,T} (ii) {M,P,S} (iii) {O,R,U} (iv) {Q,P,M} (v) {S,U,M}

14. Identify the points that are inside the triangle



- (i) {Q,T,W} (ii) {R,U,X} (iii) {W,T,X} (iv) {P,S,V} (v) {Q,W,P}

15. Identify the points that are outside the triangle



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

Assignment Key

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