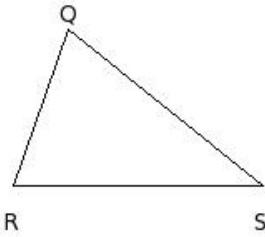


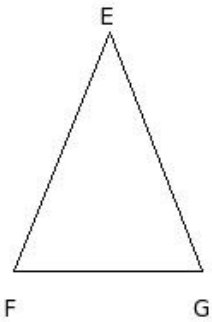


1. The side opposite to the vertex Q



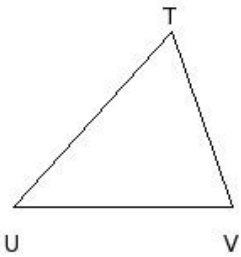
- (i) \overline{RS} (ii) \overline{TR} (iii) \overline{SQ} (iv) \overline{QU} (v) \overline{QR}

2. The side opposite to the vertex F



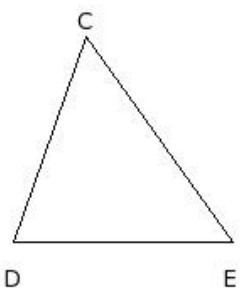
- (i) \overline{FG} (ii) \overline{EI} (iii) \overline{GE} (iv) \overline{EF} (v) \overline{HF}

3. The side opposite to the vertex V



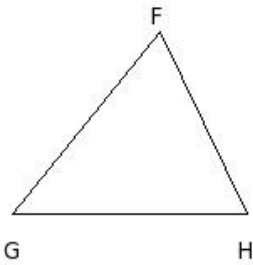
- (i) \overline{VT} (ii) \overline{UV} (iii) \overline{TX} (iv) \overline{WU} (v) \overline{TU}

4. The vertex opposite to the side \overline{DE}



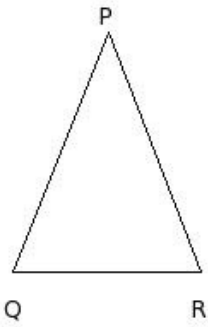
- (i) \overline{EF} (ii) D (iii) G (iv) C

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



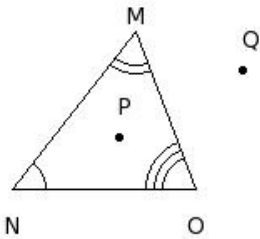
- (i) F (ii) \overline{HI} (iii) J (iv) G

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



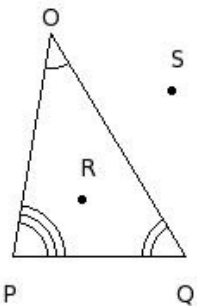
- (i) Q (ii) R (iii) P (iv) \overline{RS}

7. The sides of the triangle are



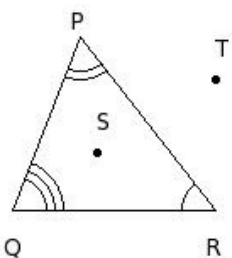
- (i) $\overline{OP}, \overline{PN}, \overline{NO}$ (ii) $\overline{NO}, \overline{OM}, \overline{MN}$ (iii) $\overline{PQ}, \overline{QO}, \overline{OP}$ (iv) $\overline{OQ}, \overline{QN}, \overline{NO}$ (v) $\overline{NP}, \overline{PM}, \overline{MN}$

8. The name of the triangle is



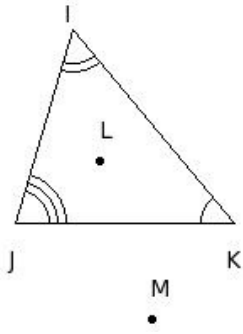
- (i) $\triangle OPR$ (ii) $\triangle OPQ$ (iii) $\triangle PQS$ (iv) $\triangle PQR$ (v) $\triangle QRS$

9. The angles of the triangle are



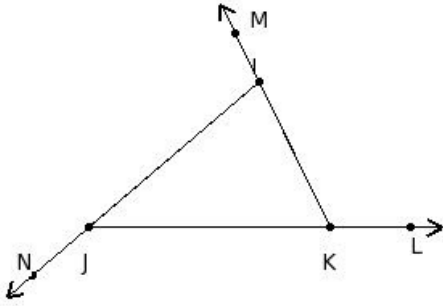
- (i) $\angle P, \angle Q, \angle R$ (ii) $\angle Q, \angle R, \angle T$ (iii) $\angle Q, \angle R, \angle S$ (iv) $\angle P, \angle Q, \angle S$ (v) $\angle R, \angle S, \angle T$

10. The vertices of the triangle are



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

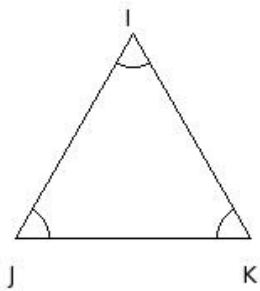
11. The exterior angles of the triangle are



- (i) $\angle LKI$, $\angle MIJ$, $\angle NJK$ (ii) $\angle LMJ$, $\angle MJK$, $\angle NKM$ (iii) $\angle KLI$, $\angle LIJ$, $\angle MJL$ (iv) $\angle NMK$, $\angle OKL$, $\angle PLM$
 (v) $\angle MLJ$, $\angle NJK$, $\angle OKL$

12. Consider the following figure. State which of the following statements are true

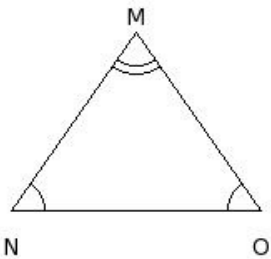
- a) $\overline{JK} = \overline{KI}$
 b) $\overline{IJ} \neq \overline{JK}$
 c) $\overline{KI} = \overline{IJ}$
 d) $\overline{KI} \neq \overline{IJ}$
 e) $\overline{JK} \neq \overline{KI}$
 f) $\overline{IJ} = \overline{JK}$



- (i) {a,c,f} (ii) {d,c} (iii) {e,b,f} (iv) {b,a} (v) {d,a,c}

13. Consider the following figure. State which of the following statements are true

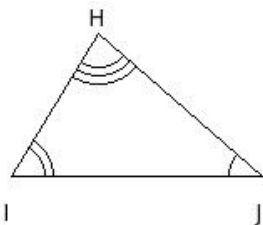
- a) $\overline{MN} \neq \overline{NO}$
- b) $\overline{NO} = \overline{OM}$
- c) $\overline{OM} \neq \overline{MN}$
- d) $\overline{OM} = \overline{MN}$
- e) $\overline{NO} \neq \overline{OM}$
- f) $\overline{MN} = \overline{NO}$



- (i) {b,a} (ii) {c,d} (iii) {f,b,e} (iv) {c,a,d} (v) {a,d,e}

14. Consider the following figure. State which of the following statements are true

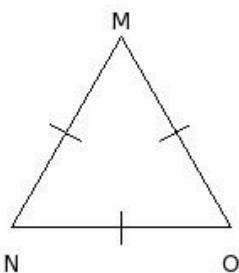
- a) $\overline{IJ} \neq \overline{JH}$
- b) $\overline{JH} = \overline{HI}$
- c) $\overline{IJ} = \overline{JH}$
- d) $\overline{HI} = \overline{IJ}$
- e) $\overline{JH} \neq \overline{HI}$
- f) $\overline{HI} \neq \overline{IJ}$



- (i) {a,e,f} (ii) {c,a,e} (iii) {c,e} (iv) {b,a} (v) {d,b,f}

15. Consider the following figure. State which of the following statements are true

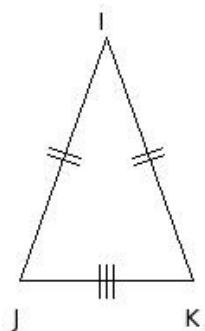
- a) $\angle N \neq \angle O$
- b) $\angle O = \angle M$
- c) $\angle O \neq \angle M$
- d) $\angle M = \angle N$
- e) $\angle M \neq \angle N$
- f) $\angle N = \angle O$



- (i) {c,b,d} (ii) {c,d} (iii) {e,a,f} (iv) {b,d,f} (v) {a,b}

16. Consider the following figure. State which of the following statements are true

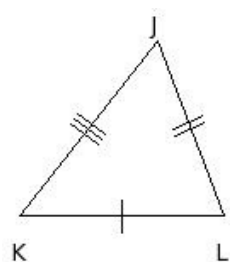
- a) $\angle K \neq \angle I$
- b) $\angle K = \angle I$
- c) $\angle I \neq \angle J$
- d) $\angle I = \angle J$
- e) $\angle J = \angle K$
- f) $\angle J \neq \angle K$



- (i) {a,c,e} (ii) {b,a} (iii) {d,a,c} (iv) {f,b,e} (v) {d,c}

17. Consider the following figure. State which of the following statements are true

- a) $\angle L \neq \angle J$
- b) $\angle J \neq \angle K$
- c) $\angle L = \angle J$
- d) $\angle J = \angle K$
- e) $\angle K \neq \angle L$
- f) $\angle K = \angle L$



- (i) {a,b,e} (ii) {d,b} (iii) {c,a} (iv) {f,c,e} (v) {d,a,b}

Assignment Key

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