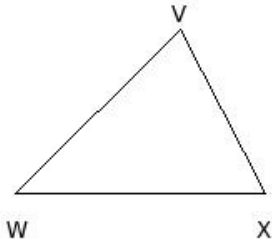


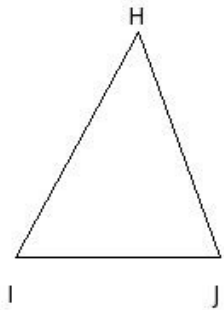


1. The side opposite to the vertex V



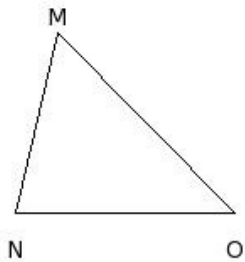
- (i) \overline{XV} (ii) \overline{YW} (iii) \overline{WX} (iv) \overline{VZ} (v) \overline{VW}

2. The side opposite to the vertex I



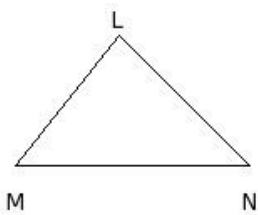
- (i) \overline{JH} (ii) \overline{HL} (iii) \overline{KI} (iv) \overline{IJ} (v) \overline{HI}

3. The side opposite to the vertex O



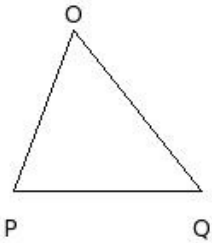
- (i) \overline{PN} (ii) \overline{NO} (iii) \overline{OM} (iv) \overline{MN} (v) \overline{MQ}

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



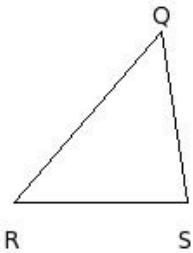
- (i) L (ii) M (iii) P (iv) \overline{NO}

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



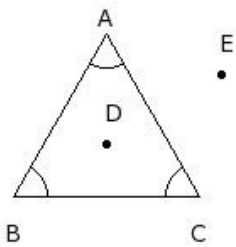
- (i) \overline{QR} (ii) P (iii) O (iv) S

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



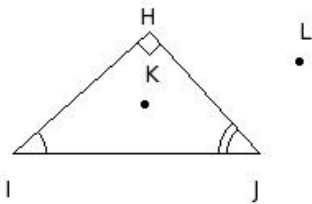
- (i) S (ii) Q (iii) R (iv) \overline{ST}

7. The sides of the triangle are



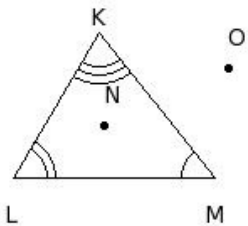
- (i) $\overline{CD}, \overline{DB}, \overline{BC}$ (ii) $\overline{CE}, \overline{EB}, \overline{BC}$ (iii) $\overline{BD}, \overline{DA}, \overline{AB}$ (iv) $\overline{BC}, \overline{CA}, \overline{AB}$ (v) $\overline{DE}, \overline{EC}, \overline{CD}$

8. The name of the triangle is



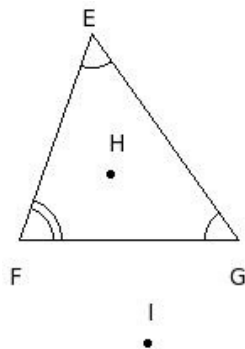
- (i) $\triangle IJK$ (ii) $\triangle IJL$ (iii) $\triangle HIJ$ (iv) $\triangle HIK$ (v) $\triangle JKL$

9. The angles of the triangle are



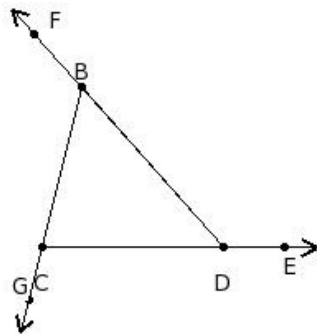
- (i) $\angle K, \angle L, \angle M$ (ii) $\angle M, \angle N, \angle O$ (iii) $\angle K, \angle L, \angle N$ (iv) $\angle L, \angle M, \angle N$ (v) $\angle L, \angle M, \angle O$

10. The vertices of the triangle are



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

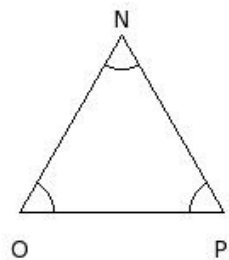
11. The exterior angles of the triangle are



- (i) $\angle DEB$, $\angle EBC$, $\angle FCE$ (ii) $\angle EDB$, $\angle FBC$, $\angle GCD$ (iii) $\angle FEC$, $\angle GCD$, $\angle HDE$ (iv) $\angle EFC$, $\angle FCD$, $\angle GDF$
 (v) $\angle GFD$, $\angle HDE$, $\angle IEF$

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

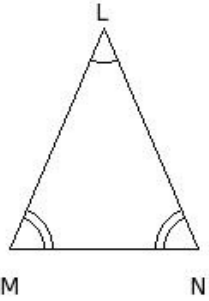
- a) $\overline{OP} \neq \overline{PN}$
 b) $\overline{PN} \neq \overline{NO}$
 c) $\overline{NO} = \overline{OP}$
 d) $\overline{PN} = \overline{NO}$
 e) $\overline{OP} = \overline{PN}$
 f) $\overline{NO} \neq \overline{OP}$



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

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

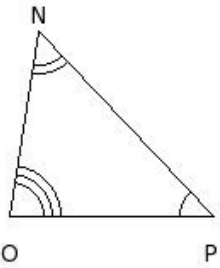
- a) $\overline{LM} = \overline{MN}$
- b) $\overline{MN} = \overline{NL}$
- c) $\overline{LM} \neq \overline{MN}$
- d) $\overline{NL} = \overline{LM}$
- e) $\overline{NL} \neq \overline{LM}$
- f) $\overline{MN} \neq \overline{NL}$



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

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

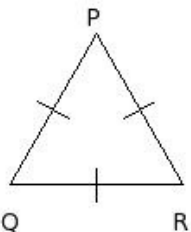
- a) $\overline{NO} = \overline{OP}$
- b) $\overline{OP} = \overline{PN}$
- c) $\overline{OP} \neq \overline{PN}$
- d) $\overline{PN} \neq \overline{NO}$
- e) $\overline{NO} \neq \overline{OP}$
- f) $\overline{PN} = \overline{NO}$



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

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

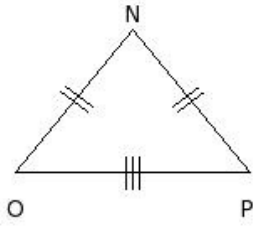
- a) $\angle Q = \angle R$
- b) $\angle P = \angle Q$
- c) $\angle P \neq \angle Q$
- d) $\angle R = \angle P$
- e) $\angle R \neq \angle P$
- f) $\angle Q \neq \angle R$



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

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

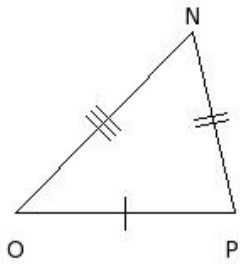
- a) $\angle O \neq \angle P$
- b) $\angle P \neq \angle N$
- c) $\angle P = \angle N$
- d) $\angle N \neq \angle O$
- e) $\angle O = \angle P$
- f) $\angle N = \angle O$



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

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

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



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

Assignment Key

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