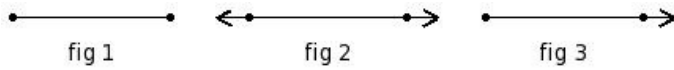


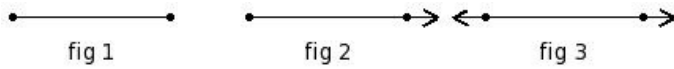


1. Which of the following figures represent a line?



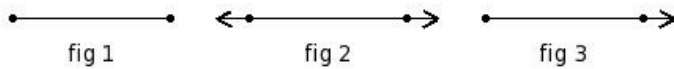
- (i) fig 3 (ii) fig 2 (iii) fig 1

2. Which of the following figures represent a ray?



- (i) fig 3 (ii) fig 2 (iii) fig 1

3. Which of the following figures represent a line segment?



- (i) fig 3 (ii) fig 1 (iii) fig 2

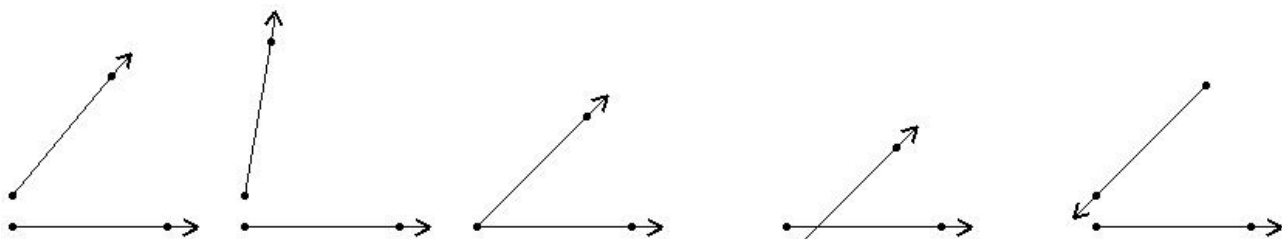
4. Points lying on the same line are called

- (i) collinear points (ii) semi-linear points (iii) linear points (iv) concurrent points (v) non-linear points

5. Every simple closed curve divides a plane into how many sets of points?

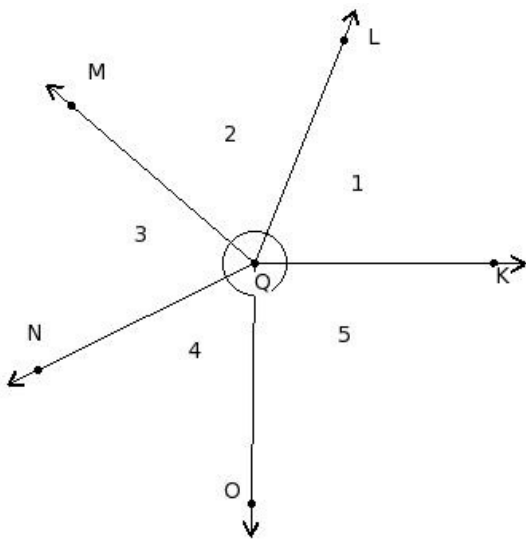
- (i) 3 (ii) 0 (iii) 6 (iv) 2 (v) 4

6. Which of the following figures represent an angle?



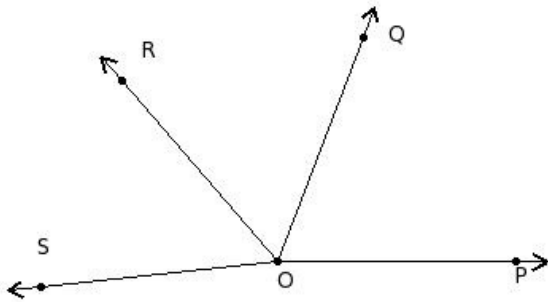
- (i) fig 1 (ii) fig 4 (iii) fig 2 (iv) fig 5 (v) fig 3

7. The name of angle 5 in the given figure is



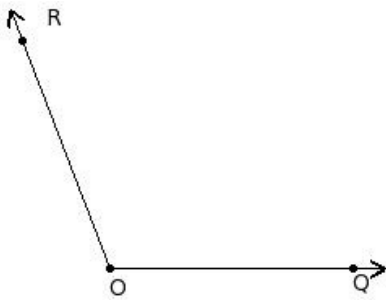
- (i)  $\angle LQM$  (ii)  $\angle MQN$  (iii)  $\angle OQK$  (iv)  $\angle KQL$  (v)  $\angle NQO$

8. Which of the following is the largest angle in the given figure?



- (i)  $\angle POS$  (ii)  $\angle POR$  (iii)  $\angle QOS$  (iv)  $\angle POQ$  (v)  $\angle QOR$

9. The name of the given angle is



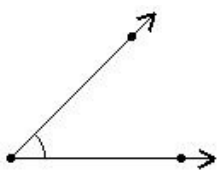
- (i)  $\angle QRO$  (ii)  $\angle QOR$  (iii)  $\angle QR$  (iv)  $\triangle QOR$  (v)  $\angle RQO$

10. Identify the figure below



- (i) angle (ii) pentagon (iii) octagon (iv) heptagon (v) line

11. Identify the figure below



- (i) angle (ii) pentagon (iii) circle (iv) decagon (v) hexagon

12. Multiple lines drawn on a plane are called

- (i) intersecting lines (ii) parallel lines (iii) concurrent lines (iv) perpendicular lines (v) coplanar lines

13. Multiple lines which do not meet each other are called

- (i) perpendicular lines (ii) concurrent lines (iii) parallel lines (iv) coplanar lines (v) intersecting lines

14. Multiple lines which pass through the same point are called

- (i) concurrent lines (ii) perpendicular lines (iii) parallel lines (iv) intersecting lines (v) coplanar lines

15. A line that intersects two lines at two different points is called

- (i) coplanar lines (ii) perpendicular lines (iii) concurrent lines (iv) parallel lines (v) transversal

16. Two lines meeting at a point and making an angle of  $90^\circ$  at the meeting point are called

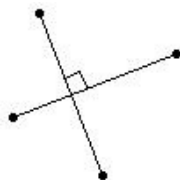
- (i) concurrent lines (ii) coplanar lines (iii) intersecting lines (iv) parallel lines (v) perpendicular lines

17. The following lines represent



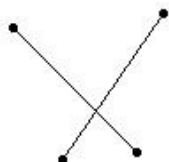
- (i) concurrent lines (ii) coplanar lines (iii) intersecting lines (iv) perpendicular lines (v) parallel lines

18. The following lines represent



- (i) intersecting lines (ii) parallel lines (iii) perpendicular lines (iv) coplanar lines (v) concurrent lines

19. The following lines represent



- (i) parallel lines (ii) concurrent lines (iii) coplanar lines (iv) intersecting lines (v) perpendicular lines

20. The representation  $\overleftrightarrow{EF}$  indicates

- (i) ray (ii) line (iii) arc (iv) angle (v) line segment

21. The representation  $\overline{AB}$  indicates

- (i) angle (ii) ray (iii) arc (iv) line segment (v) line

22. The representation  $\overline{HI}$  indicates

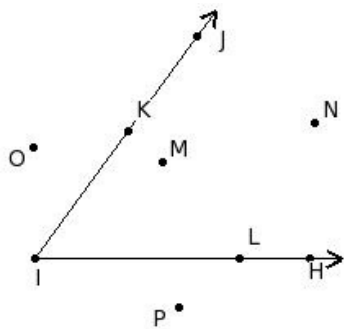
- (i) line segment (ii) arc (iii) angle (iv) line (v) ray

23. In the figure below, if  $KL = 7.60$  cm and  $LM = 12.40$  cm, find  $KM = ?$



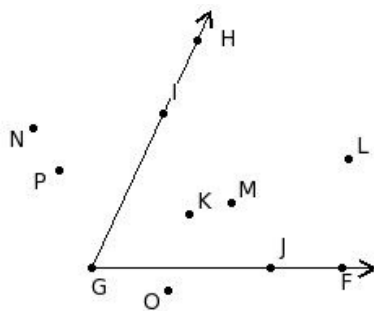
- (i) 22.00 cm (ii) 20.00 cm (iii) 21.00 cm (iv) 18.00 cm (v) 19.00 cm

24. In the given figure, write the points belonging to the angle



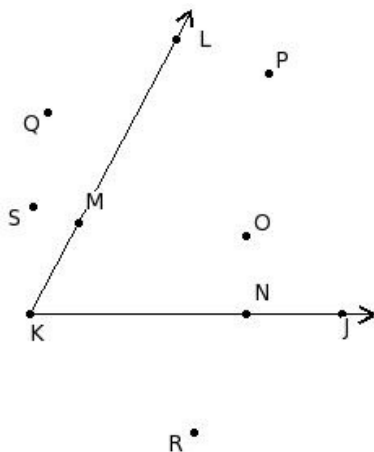
- (i) {L,K,J,I,H} (ii) {L,K,I,H} (iii) {M,N} (iv) {L,K,J,I,H,N,P} (v) {P,O}

25. In the given figure, write the points belonging to the interior of the angle



- (i) {L,K,M,I,O} (ii) {L,K,M} (iii) {K,M} (iv) {I,F,J,G,H} (v) {O,N,P}

26. In the given figure, write the points belonging to the exterior of the angle



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

27. Which of the following are true?

- a) Capital letters are used to represent points
- b) The length of a line segment cannot be determined
- c) A ray has an infinite number of points on it
- d) Small letters are used to represent lines
- e) A line has an infinite number of points on it

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

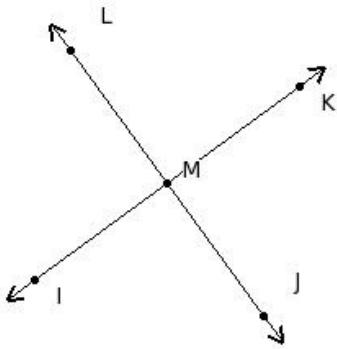
28. Which of the following are true?

- a) Only one straight line can be drawn between any two points
- b) If a line cuts another line at more than one point, then one of the lines is curved
- c) If two lines have no common point, then the lines are parallel
- d) If two lines have infinite common points, then the two lines are concurrent
- e) A straight line meets another straight line at at most one point

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

29. Which of the following points are collinear?

- a) L, M, J
- b) I, M, K
- c) M, L, K
- d) K, M, L
- e) J, M, K



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

## Assignment Key

1) (ii)	2) (ii)	3) (ii)	4) (i)	5) (i)	6) (v)
7) (iii)	8) (i)	9) (ii)	10) (v)	11) (i)	12) (v)
13) (iii)	14) (i)	15) (v)	16) (v)	17) (v)	18) (iii)
19) (iv)	20) (ii)	21) (iv)	22) (v)	23) (ii)	24) (i)
25) (ii)	26) (ii)	27) (v)	28) (v)	29) (v)	