1. Which of the following figures represent a line?
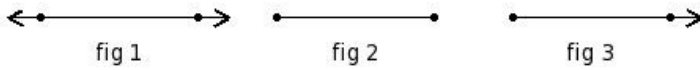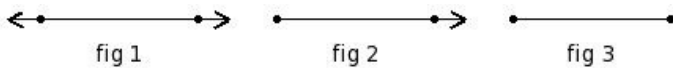

   fig 1   fig 2   fig 3

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

2. Which of the following figures represent a ray?

   fig 1   fig 2   fig 3

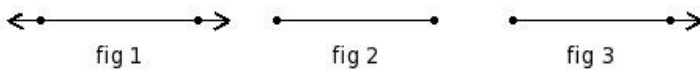   (i) fig 2   (ii) fig 3   (iii) fig 1

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

   fig 1   fig 2   fig 3

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

4. Points lying on the same line are called
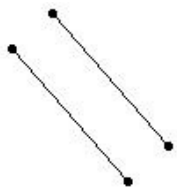
   (i) linear points   (ii) collinear points   (iii) non-linear points   (iv) semi-linear points   (v) concurrent points

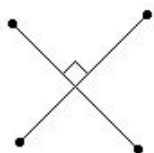5. Identify the figure below

   (i) triangle   (ii) circle   (iii) hexagon   (iv) line   (v) quadrilateral

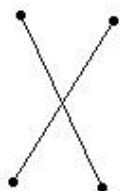6. The following lines represent

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

7. The following lines represent

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

8. The following lines represent

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

9. Multiple lines drawn on a plane are called

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

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

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

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

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

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

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

13. Two lines meeting at a point and making an angle of 90° at the meeting point are called

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

14. The representation $\overleftrightarrow{LM}$ indicates

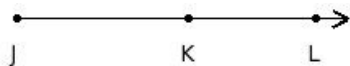   (i) ray (ii) line (iii) angle (iv) arc (v) line segment

15. The representation $\overline{FG}$ indicates

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

16. The representation $\overrightarrow{JK}$ indicates

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

17. In the figure below, if $JK = 10.50$ cm and $KL = 7.80$ cm, find $JL = ?$

   (i) 17.30 cm (ii) 20.30 cm (iii) 19.30 cm (iv) 16.30 cm (v) 18.30 cm

18. Which of the following are true?

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

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

19. Which of the following are true?

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

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

20. Which of the following are true?

   a) If d⊥e and e⊥f , then d⊥f
   b) If two lines are parallel to the same line, then they are parallel to each other
   c) If d∥e and e∥f , then d∥f
   d) If d⊥e and d⊥f , then e⊥f
   e) If two lines are parallel to the same line, then they are perpendicular to each other

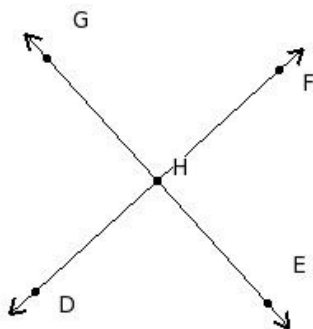   (i) {a,b} (ii) {b,c} (iii) {e,a,b} (iv) {d,c} (v) {d,c,b}

21. Which of the following are true with respect to lines e , f , g , h where e ∥ f , f ⊥ g , g ⊥ h?

   a) e∥g
   b) g∥h
   c) f∥h
   d) e∥h
   e) e⊥h

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

22. Which of the following points are collinear?

   a) E,H,F
   b) F,H,G
   c) D,H,F
   d) G,H,E
   e) H,G,F

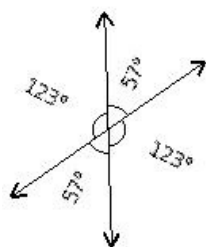   (i) {b,d} (ii) {b,d,c} (iii) {e,a,c} (iv) {a,c} (v) {c,d}

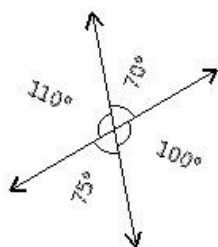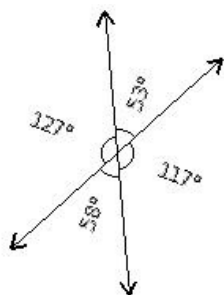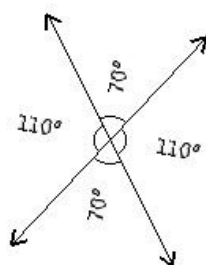23. Which of the given figures is correct?
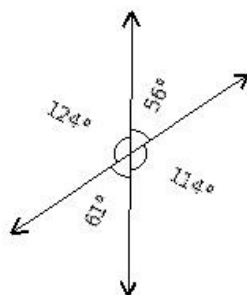

I

II
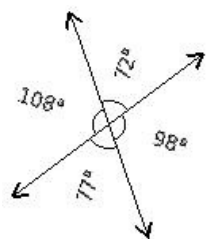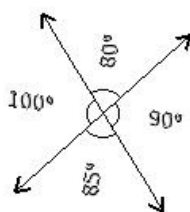
III

IV

(i) II (ii) I (iii) IV (iv) III

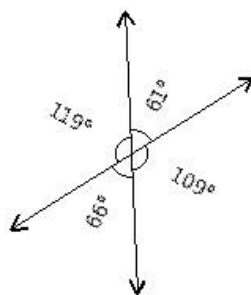---

24. Which of the given figures is correct?
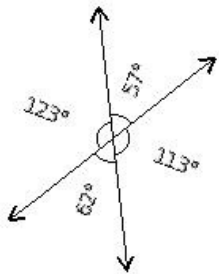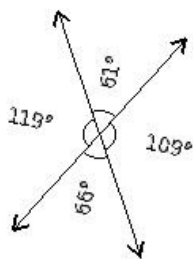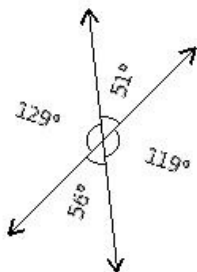

I

II

III

IV

(i) II (ii) III (iii) I (iv) IV
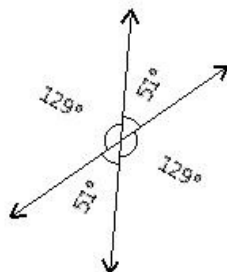
25. Which of the given figures is correct?

I

II

III

IV

(i) III   (ii) II   (iii) I   (iv) IV

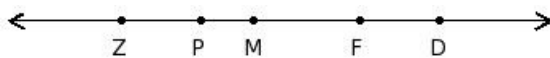26. Consider the following figure $\overleftrightarrow{ZD}$. State which of the following statements are true?

a) Z,D are points on the line segment
$\overline{PF}$

b) M,F are end points of line segment
$\overline{FZ}$

c) Z,P,M,D,F are points on the line
$\overleftrightarrow{ZD}$

d) Z,D are end points of line segment
$\overline{PF}$

e) Z,D are end points of line segment
$\overline{ZD}$

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

Assignment Key

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