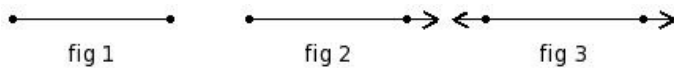1. Which of the following figures represent a line?
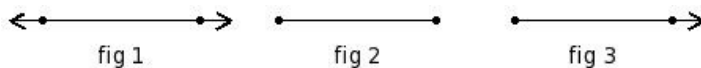

   (i) fig 2   (ii) fig 3   (iii) fig 1

2. Which of the following figures represent a ray?

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

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

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

4. Points lying on the same line are called

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

5. Identify the figure below

   (i) heptagon   (ii) circle   (iii) triangle   (iv) decagon   (v) line

6. Multiple lines drawn on a plane are called

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

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

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

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

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

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

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

10. Two lines meeting at a point and making an angle of 90° at the meeting point are called
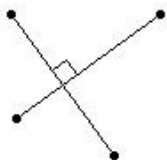
   (i) perpendicular lines   (ii) concurrent lines   (iii) coplanar lines   (iv) intersecting lines   (v) parallel lines
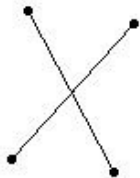
11. The following lines represent

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

12. The following lines represent

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

13. The following lines represent

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

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

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

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

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

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

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

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

    a) L,B are points on the line segment
      $\overline{IH}$

    b) L,I,K,B,H are points on the line
      $\overleftrightarrow{LB}$
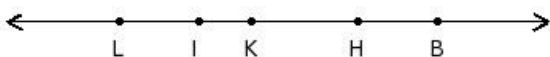
    c) L,B are end points of line segment
      $\overline{IH}$

    d) K,H are end points of line segment
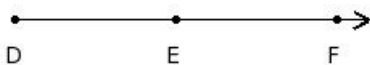 $\overline{HL}$

    e) L,B are end points of line segment
      $\overline{LB}$

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

18. In the figure below, if DE = 9.90 cm and EF = 9.90 cm, find DF = ?

    (i) 17.80 cm (ii) 18.80 cm (iii) 19.80 cm (iv) 21.80 cm (v) 20.80 cm

19. Which of the following are true?

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

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

20. Which of the following are true?

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

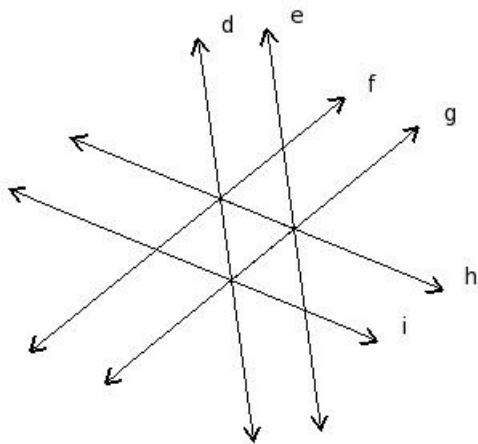   (i) {a,b} (ii) {a,c} (iii) {a,e,b} (iv) {b,c,d,e} (v) {a,d}

21. Which of the following are true?

   a) If $a \parallel b$ and $b \parallel c$, then $a \parallel c$
   b) If $a \perp b$ and $b \perp c$, then $a \perp c$
   c) If $a \perp b$ and $a \perp c$, then $b \perp c$
   d) If two lines are parallel to the same line, then they are parallel to each other
   e) If two lines are parallel to the same line, then they are perpendicular to each other

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

22. In the given figure, d , e , f , g , h , i are lines in a plane. By looking at the figure, which of the following are true?

   a) g is the transversal of d & e
   b) d ∥ g
   c) i is the transversal of f & d
   d) d ∥ e
   e) d is the transversal of f & h
   f) h is the transversal of f & g

   (i) {b,a} (ii) {b,e,d} (iii) {a,c,d,f} (iv) {b,f,a} (v) {e,c}
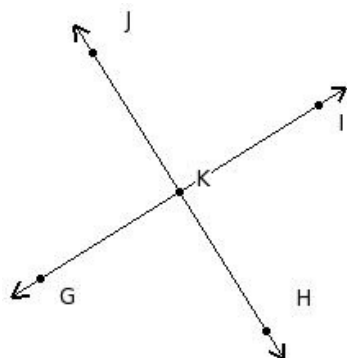
23. Which of the following are true with respect to lines a , b , c , d where a ∥ b , b ⊥ c , c ⊥ d?

a) a ∥ d

b) c ∥ d

c) a ⊥ d

d) a ∥ c

e) b ∥ d

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

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24. Which of the following points are collinear?

a) I , K , J

b) H , K , I

c) K , J , I

d) J , K , H

e) G , K , I

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

Assignment Key

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