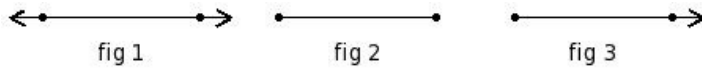


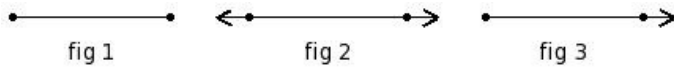


1. Which of the following figures represent a line?



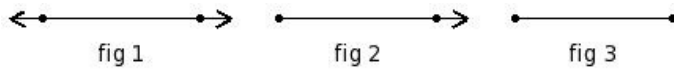
- (i) fig 2 (ii) fig 3 (iii) fig 1

2. Which of the following figures represent a ray?



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

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



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

4. Points lying on the same line are called

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

5. Identify the figure below



- (i) line (ii) nonagon (iii) decagon (iv) angle (v) octagon

6. Multiple lines drawn on a plane are called

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

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

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

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

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

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

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

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

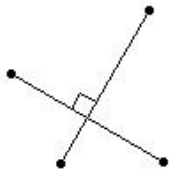
- (i) perpendicular lines (ii) intersecting lines (iii) concurrent lines (iv) coplanar lines (v) parallel lines

11. The following lines represent



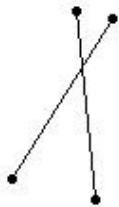
- (i) intersecting lines (ii) concurrent lines (iii) coplanar lines (iv) perpendicular lines (v) parallel lines

12. The following lines represent



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

13. The following lines represent



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

14. The representation \overleftrightarrow{IJ} indicates

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

15. The representation \overline{EF} indicates

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

16. The representation \overline{HI} indicates

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

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

a) N,D are end points of line segment

\overline{DJ}

b) J,P are points on the line segment

\overline{QD}

c) J,P are end points of line segment

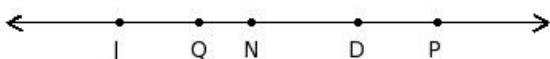
\overline{JP}

d) J,Q,N,P,D are points on the line

\overleftrightarrow{JP}

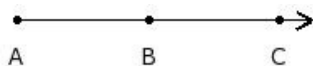
e) J,P are end points of line segment

\overline{QD}



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

18. In the figure below, if $AB = 8.00$ cm and $BC = 7.90$ cm, find $AC = ?$



- (i) 17.90 cm (ii) 14.90 cm (iii) 16.90 cm (iv) 15.90 cm (v) 13.90 cm

19. Which of the following are true?

- a) A line 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 ray has an infinite number of points on it
- e) Capital letters are used to represent points

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

20. Which of the following are true?

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

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

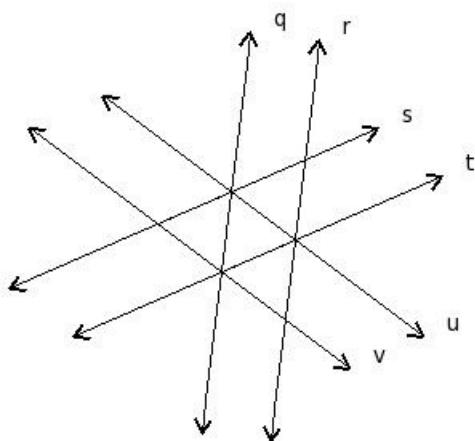
21. Which of the following are true?

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

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

22. In the given figure, q, r, s, t, u, v are lines in a plane. By looking at the figure, which of the following are true?

- a) $q \parallel r$
- b) t is the transversal of q & r
- c) u is the transversal of s & t
- d) $q \parallel t$
- e) q is the transversal of s & u
- f) v is the transversal of s & q



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

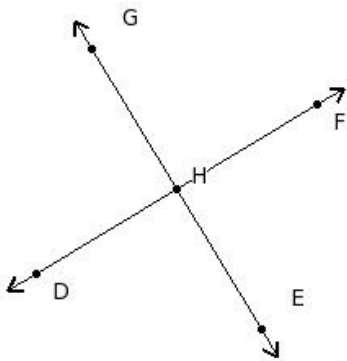
23. Which of the following are true with respect to lines p, q, r, s where $p \parallel q, q \perp r, r \perp s$?

- a) $p \parallel s$
- b) $r \parallel s$
- c) $p \parallel r$
- d) $p \perp s$
- e) $q \parallel s$

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

24. Which of the following points are collinear?

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



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

Assignment Key

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