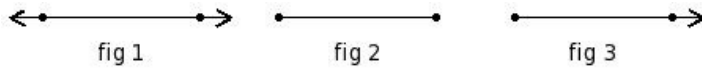


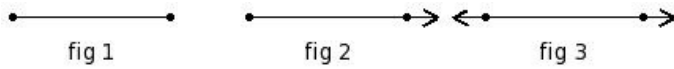


1. Which of the following figures represent a line?



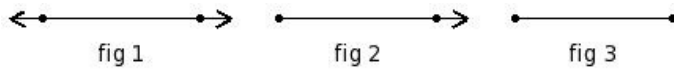
- (i) fig 1 (ii) fig 3 (iii) fig 2

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. Identify the figure below



- (i) angle (ii) quadrilateral (iii) nonagon (iv) line (v) hexagon

5. Multiple lines drawn on a plane are called

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

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

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

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

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

8. The following lines represent



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

9. The following lines represent



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

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

a) C,D are end points of line segment

\overline{QS}

b) C,Q,G,D,S are points on the line

\overleftrightarrow{CD}

c) C,D are end points of line segment

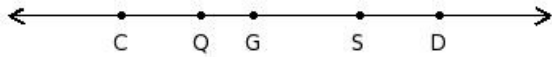
\overline{CD}

d) G,S are end points of line segment

\overline{SC}

e) C,D are points on the line segment

\overline{QS}



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

11. The representation \overleftrightarrow{BC} indicates

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

12. The representation \overline{DE} indicates

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

13. The representation \overrightarrow{JK} indicates

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

14. In the figure below, if $DE = 7.10$ cm and $EF = 11.40$ cm, find $DF = ?$



- (i) 17.50 cm (ii) 19.50 cm (iii) 20.50 cm (iv) 16.50 cm (v) 18.50 cm

15. Which of the following are true?

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

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

16. Which of the following are true?

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

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

17. Which of the following are true?

- a) If $u \parallel v$ and $v \parallel w$, then $u \parallel w$
- 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 $u \perp v$ and $v \perp w$, then $u \perp w$
- e) If $u \perp v$ and $u \perp w$, then $v \perp w$

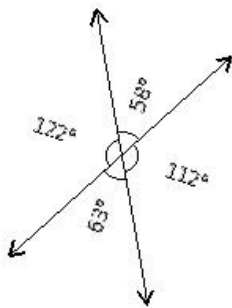
(i) {c,a} (ii) {d,b,a} (iii) {a,b} (iv) {d,b} (v) {e,c,a}

18. Which of the following are true with respect to lines g, h, i, j where $g \parallel h, h \perp i, i \perp j$?

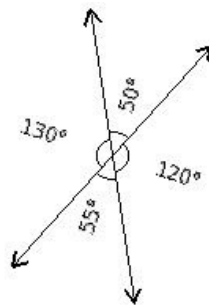
- a) $h \parallel j$
- b) $g \parallel i$
- c) $g \perp j$
- d) $g \parallel j$
- e) $i \parallel j$

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

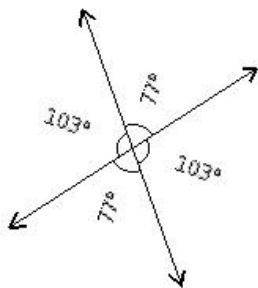
19. Which of the given figures is correct?



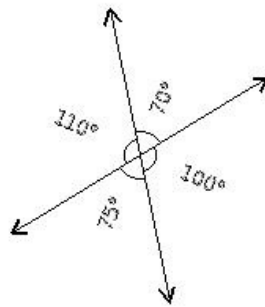
I



II



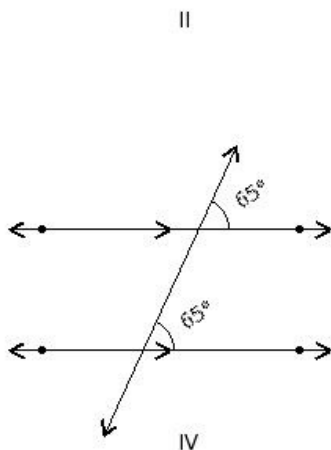
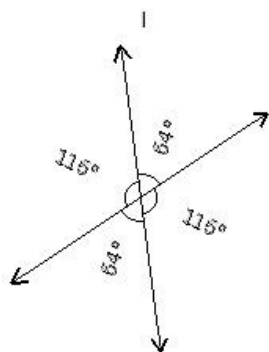
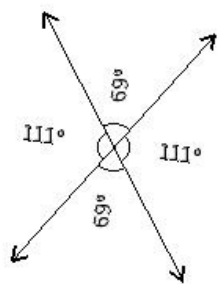
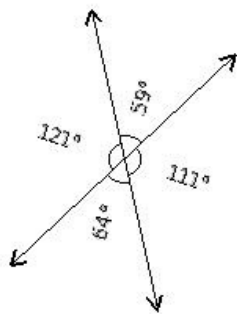
III



IV

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

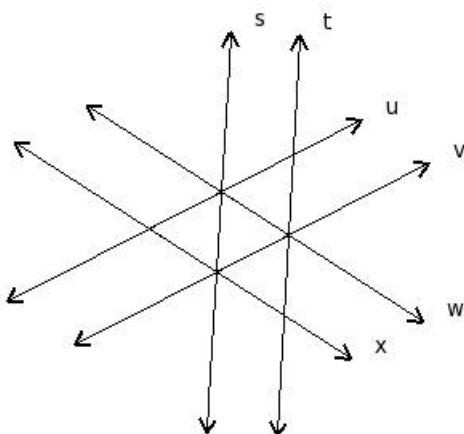
20. Which of the given figures is wrong?



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

21. In the given figure, s, t, u, v, w, x are lines in a plane. By looking at the figure, which of the following are true?

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



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

Assignment Key

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