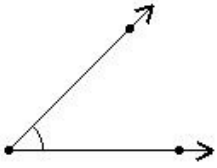


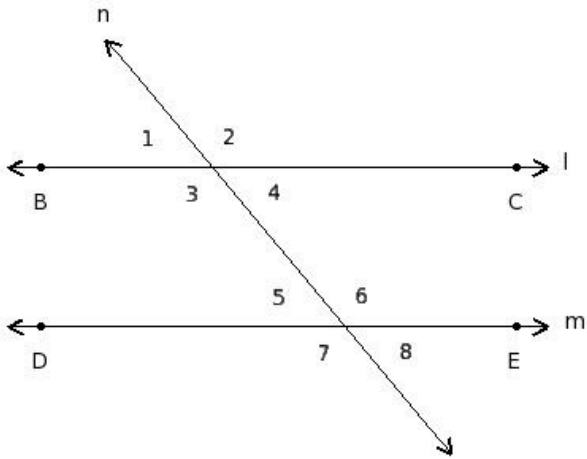


1. Identify the figure below



- (i) octagon (ii) quadrilateral (iii) pentagon (iv) angle (v) circle

2. Find the adjacent angles in the given figure



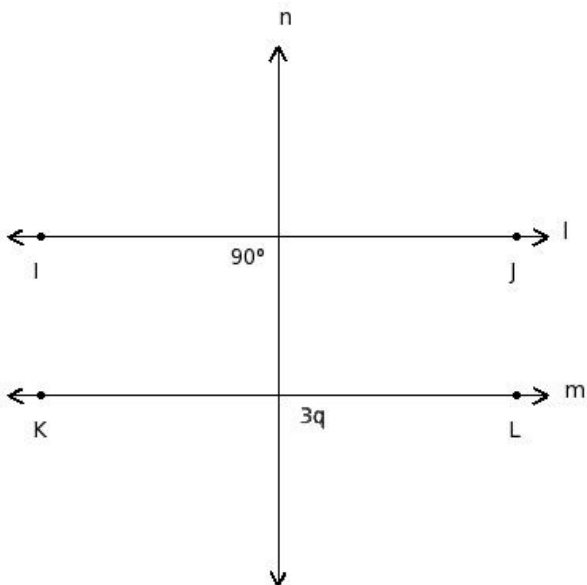
- (i) $\angle 1, \angle 5$; $\angle 2, \angle 6$; $\angle 3, \angle 7$; $\angle 4, \angle 8$ (ii) $\angle 1, \angle 8$; $\angle 2, \angle 7$ (iii) $\angle 1, \angle 2, \angle 7, \angle 8$
(iv) $\angle 3, \angle 6$; $\angle 4, \angle 5$ (v) $\angle 1, \angle 2$; $\angle 2, \angle 4$; $\angle 4, \angle 3$; $\angle 3, \angle 1$; $\angle 5, \angle 6$; $\angle 6, \angle 8$; $\angle 8, \angle 7$; $\angle 7, \angle 5$

3. The following angle represents



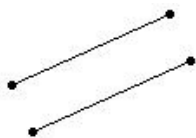
- (i) complete angle (ii) right angle (iii) acute angle (iv) reflex angle (v) zero angle

4. In the given figure $l \parallel m$. Find the value of 'q'



- (i) 31 (ii) 33 (iii) 29 (iv) 30 (v) 27

5. The following lines represent



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

6. Multiple lines drawn on a plane are called

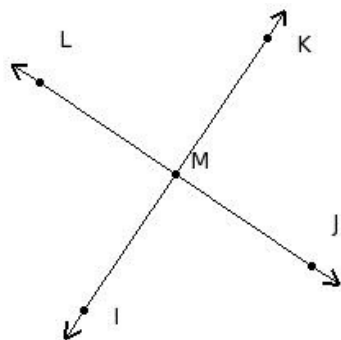
- (i) concurrent lines (ii) parallel lines (iii) perpendicular lines (iv) intersecting lines (v) coplanar lines

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

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

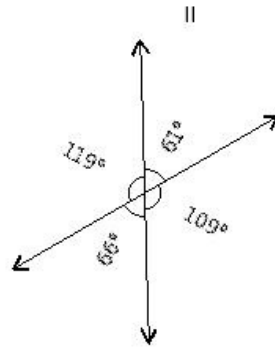
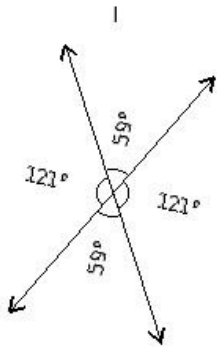
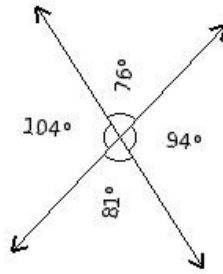
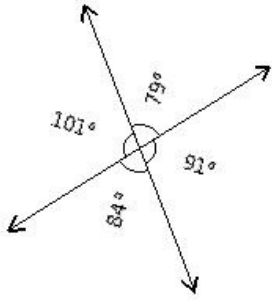
8. Which of the following points are collinear?

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



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

9. Which of the given figures is correct?



III

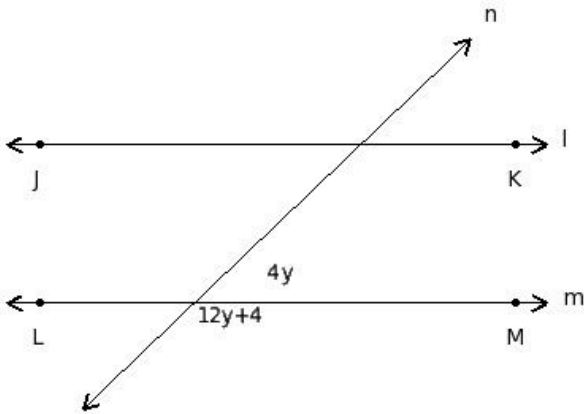
IV

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

10. Find the supplementary angle of $14^\circ 28' 56''$

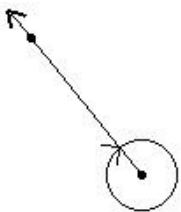
- (i) $150^\circ 21' 4''$ (ii) $165^\circ 31' 4''$ (iii) $165^\circ 31' 14''$ (iv) $165^\circ 41' 4''$ (v) $175^\circ 31' 4''$

11. In the given figure $l \parallel m$. Find the value of 'y'



- (i) 12 (ii) 13 (iii) 11 (iv) 10 (v) 9

12. The following angle represents



- (i) reflex angle (ii) acute angle (iii) complete angle (iv) obtuse angle (v) zero angle

13. The following lines represent



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

14. Which of the following are true with respect to lines e, f, g, h where $e \parallel f, f \perp g, g \perp h$?

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

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

15. Which of the following are true?

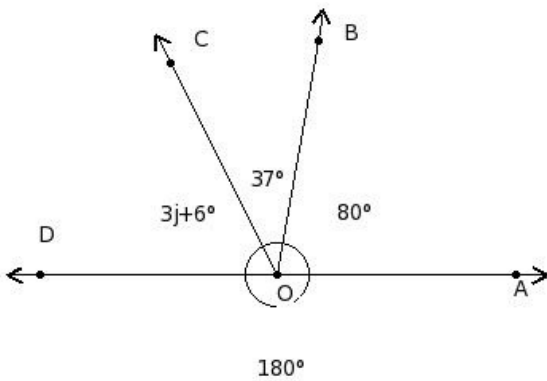
- a) If two lines are parallel to the same line, then they are perpendicular to each other
- b) If $d \parallel e$ and $e \parallel f$, then $d \parallel f$
- c) If two lines are parallel to the same line, then they are parallel to each other
- d) If $d \perp e$ and $d \perp f$, then $e \perp f$
- e)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

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

16. Subtract $29^\circ 14' 57''$ from $30^\circ 43' 28''$

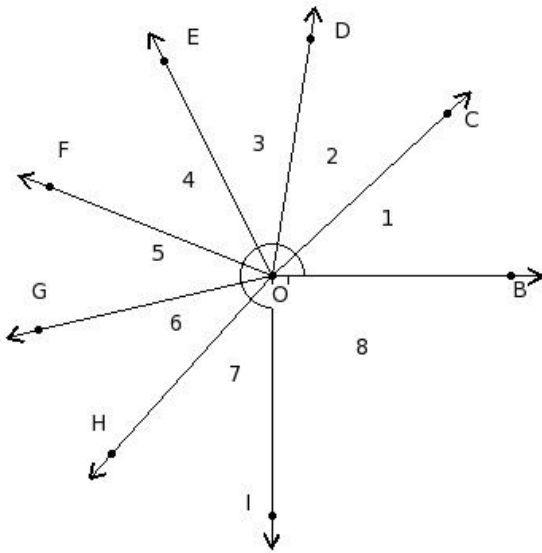
- (i) $1^\circ 28' 31''$ (ii) $1^\circ 38' 31''$ (iii) $13^\circ 41' 29''$ (iv) $1^\circ 28' 41''$ (v) $11^\circ 28' 31''$

17. Find the value of j in the figure below



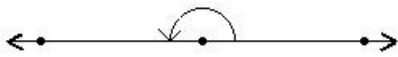
- (i) 20 (ii) 19 (iii) 16 (iv) 18 (v) 21

18. The name of angle 1 in the given figure is



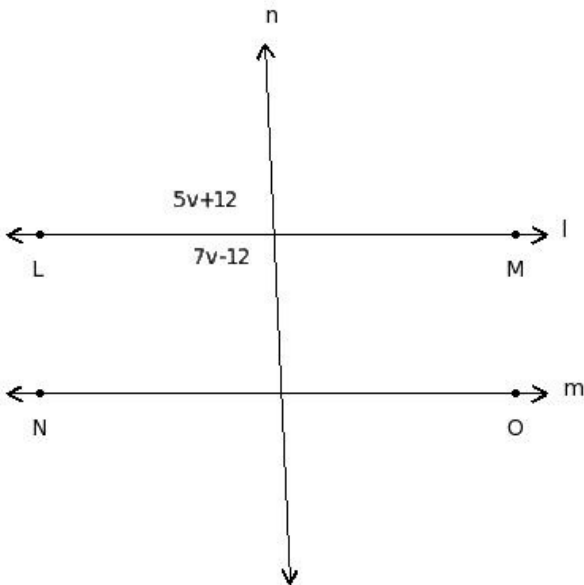
- (i) $\angle FOG$ (ii) $\angle GOH$ (iii) $\angle HOI$ (iv) $\angle BOC$ (v) $\angle COD$

19. The following angle represents



- (i) obtuse angle (ii) straight angle (iii) acute angle (iv) zero angle (v) reflex angle

20. In the given figure $l \parallel m$. Find the value of 'v'

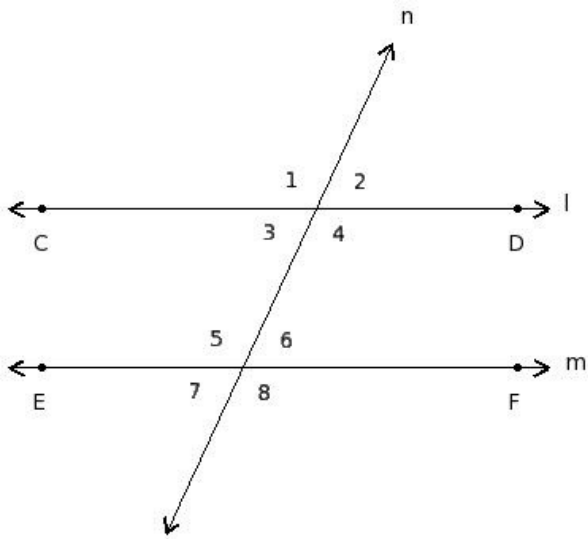


- (i) 13 (ii) 18 (iii) 15 (iv) 16 (v) 14

21. Which of the following pairs of angles are complementary?

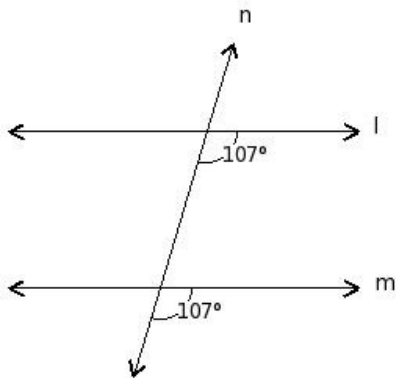
- (i) $12^\circ 3' 53''$, $77^\circ 46' 7''$ (ii) $11^\circ 53' 53''$, $78^\circ 16' 7''$ (iii) $11^\circ 43' 53''$, $78^\circ 6' 7''$ (iv) $11^\circ 53' 53''$, $78^\circ 6' 7''$
 (v) $11^\circ 53' 53''$, $77^\circ 56' 7''$

22. Find the exterior alternate angles in the given figure

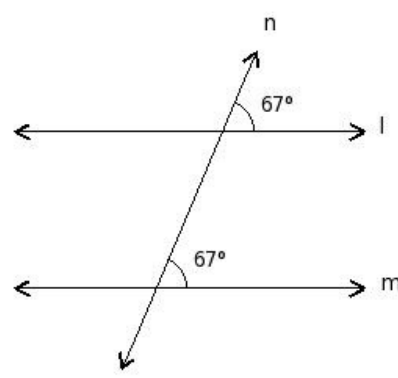


- (i) $\angle 1, \angle 8$; $\angle 2, \angle 7$ (ii) $\angle 3, \angle 6$; $\angle 4, \angle 5$ (iii) $\angle 1, \angle 4$; $\angle 2, \angle 3$; $\angle 5, \angle 8$; $\angle 6, \angle 7$
 (iv) $\angle 1, \angle 5$; $\angle 2, \angle 6$; $\angle 3, \angle 7$; $\angle 4, \angle 8$ (v) $\angle 3, \angle 5$; $\angle 4, \angle 6$

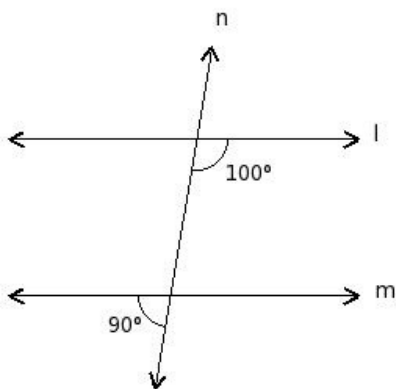
23. In which of the figures given bellow, $l \parallel m$ (not parallel)?



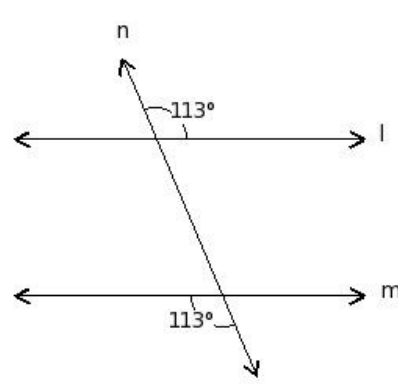
I



II



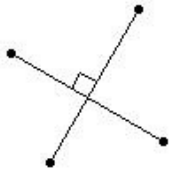
III



IV

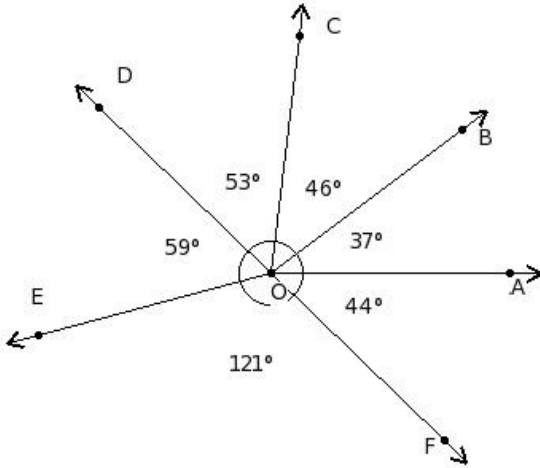
- (i) II (ii) IV (iii) III (iv) I

24. The following lines represent



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

25. Which of the following angles form a linear pair?



- (i) $(\angle DOE, \angle EOF)$ (ii) $(\angle BOC, \angle COD)$ (iii) $(\angle COD, \angle DOE)$ (iv) $(\angle EOF, \angle FOA)$ (v) $(\angle AOB, \angle BOC)$

Assignment Key

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