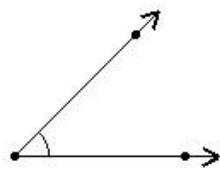


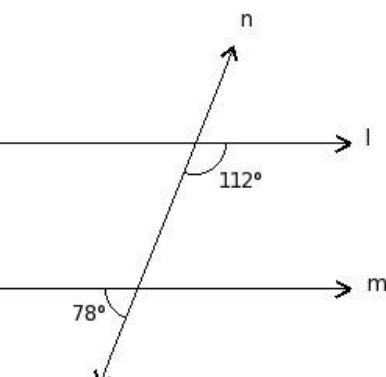
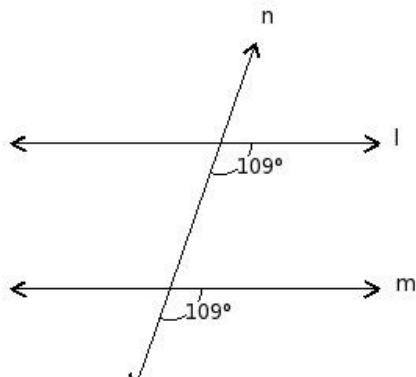


1. Identify the figure below



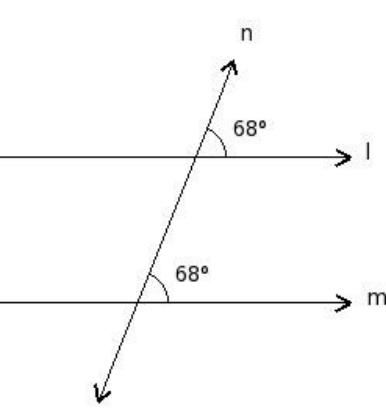
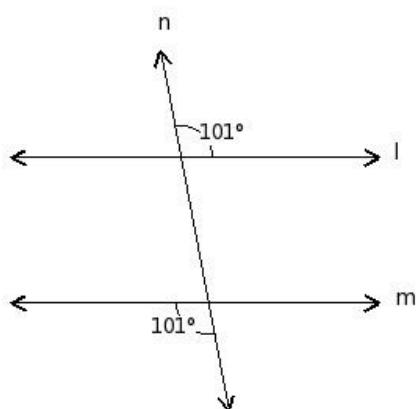
- (i) triangle (ii) heptagon (iii) nonagon (iv) angle (v) quadrilateral

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



I

II



III

IV

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

3. Which of the following is an obtuse angle?

- (i) 360° (ii) 147° (iii) 0° (iv) 180° (v) 22°

4. Which of the following is a complete angle?

- (i) 360° (ii) 0° (iii) 180° (iv) 90° (v) 155°

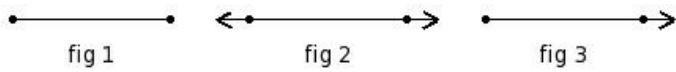
5. The complementary angle of 58° is

- (i) 62° (ii) 32° (iii) 42° (iv) 37° (v) 47°

6. Which of the following are true for corresponding angles?

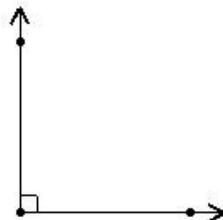
- a) They are on either side of the transversal
 - b) One is interior angle and the other is exterior angle
 - c) They are adjacent angles
 - d) Both are interior angles
 - e) They are on the same side of the transversal
 - f) They are not adjacent angles
- (i) {b,e,f} (ii) {d,a,f} (iii) {a,b} (iv) {c,e} (v) {c,b,e}

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



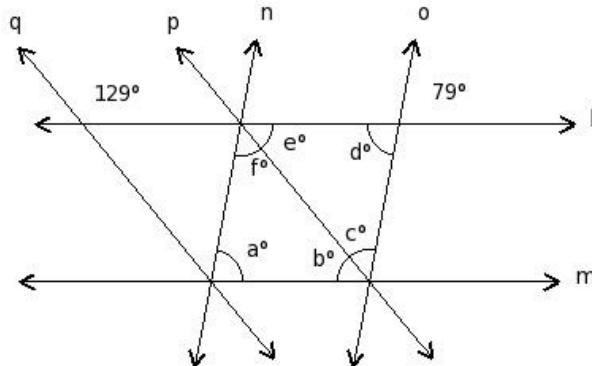
- (i) fig 1 (ii) fig 3 (iii) fig 2

8. The following angle represents



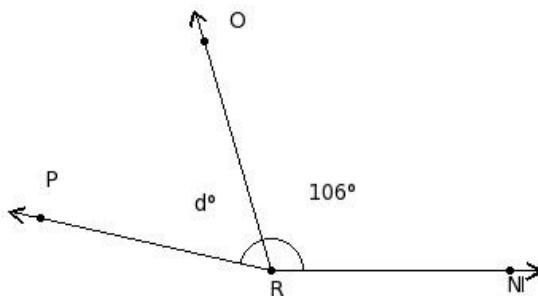
- (i) obtuse angle (ii) complete angle (iii) acute angle (iv) right angle (v) straight angle

9. In the given figure, $l \parallel m$ and $n \parallel o$ and $p \parallel q$. Find the values of $\{a, b, c, d, e, f\}$



- (i) $79^\circ, 51^\circ, 50^\circ, 79^\circ, 51^\circ, 50^\circ$ (ii) $51^\circ, 51^\circ, 79^\circ, 79^\circ, 50^\circ, 50^\circ$ (iii) $50^\circ, 79^\circ, 50^\circ, 51^\circ, 79^\circ, 51^\circ$
(iv) $79^\circ, 50^\circ, 51^\circ, 79^\circ, 51^\circ, 50^\circ$ (v) $51^\circ, 50^\circ, 50^\circ, 79^\circ, 79^\circ, 51^\circ$

10. Find the value of 'd' in the following figure

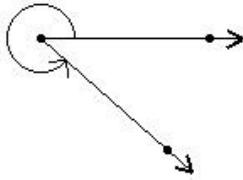


- (i) 66° (ii) 61° (iii) 71° (iv) 76° (v) 91°

11. Which of the following is an acute angle?

- (i) 180° (ii) 36° (iii) 326° (iv) 0° (v) 360°

12. The following angle represents



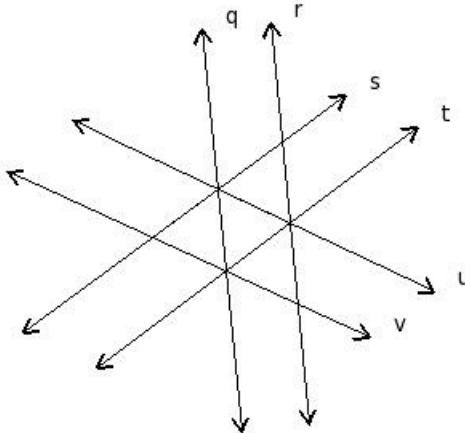
- (i) zero angle (ii) reflex angle (iii) acute angle (iv) straight angle (v) right angle

13. The representation \overline{GH} indicates

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

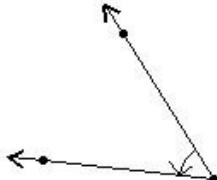
14. In the given figure, q, r, s, t, u, v are lines in a plane. By looking at the figure, which of the following are true?

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



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

15. The following angle represents



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

16. Which of the following are true?

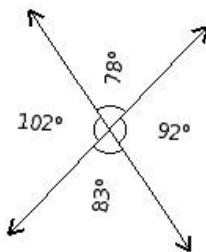
- a) Capital letters are used to represent points
- b) A line has an infinite number of points on it
- c) Small letters are used to represent lines
- d) A ray has an infinite number of points on it
- e) The length of a line segment cannot be determined

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

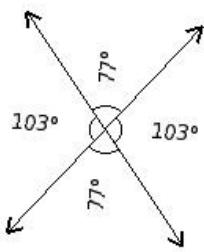
17. The representation \overleftrightarrow{AB} indicates

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

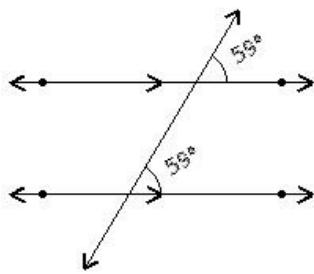
18. Which of the given figures is wrong?



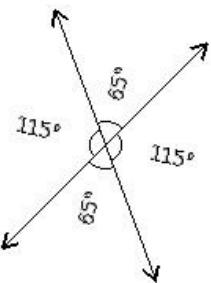
I



II



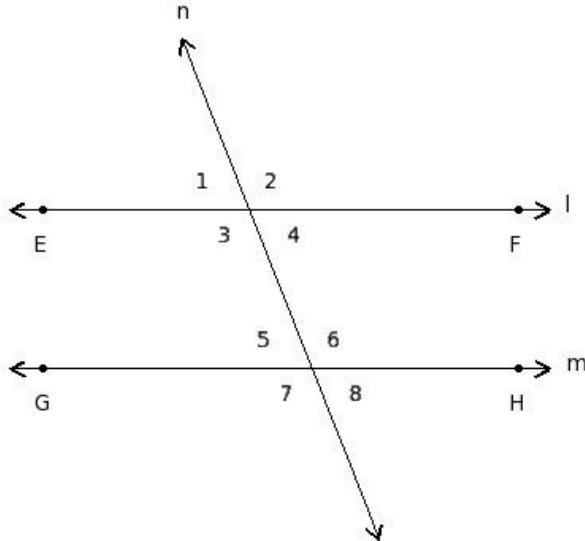
III



IV

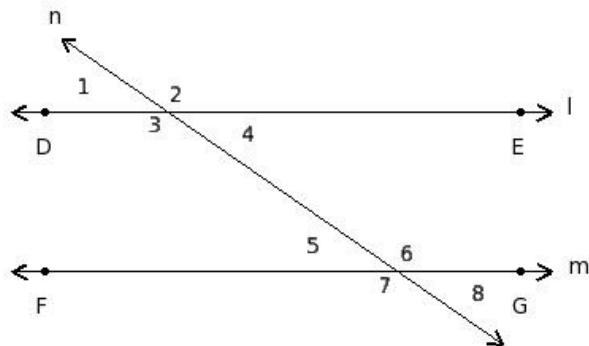
- (i) I (ii) IV (iii) II (iv) III

19. Find the exterior angles in the given figure



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

20. Find the interior alternate angles in the given figure

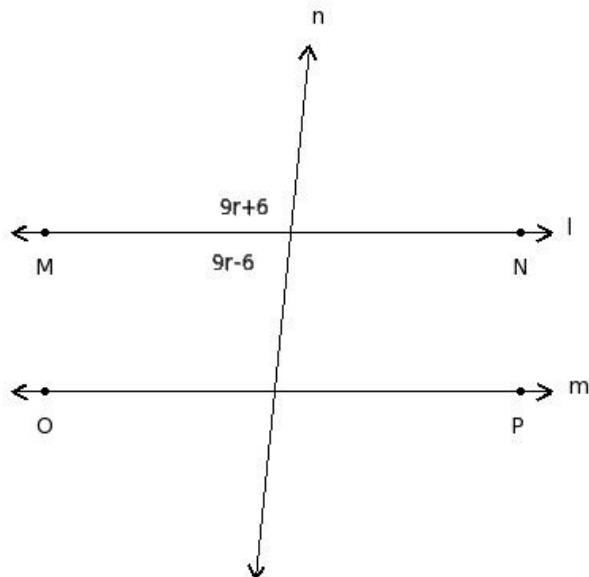


- (i) $\angle 1, \angle 5; \angle 2, \angle 6; \angle 3, \angle 7; \angle 4, \angle 8$
- (ii) $\angle 1, \angle 2; \angle 2, \angle 4; \angle 4, \angle 3; \angle 3, \angle 1; \angle 5, \angle 6; \angle 6, \angle 8; \angle 8, \angle 7; \angle 7, \angle 5$
- (iii) $\angle 3, \angle 6; \angle 4, \angle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

21. The representation \overrightarrow{KL} indicates

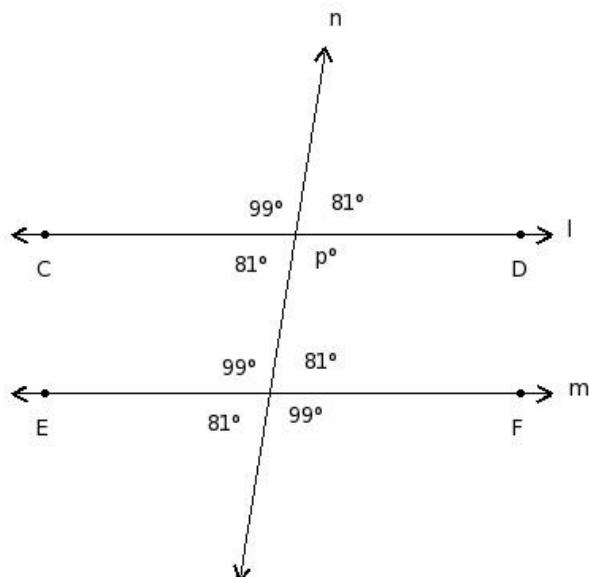
- (i) angle
- (ii) line
- (iii) ray
- (iv) line segment
- (v) arc

22. In the given figure $l \parallel m$. Find the value of 'r'



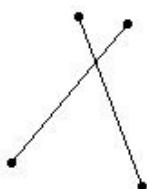
- (i) 10
- (ii) 9
- (iii) 11
- (iv) 8
- (v) 12

23. Find the value of 'p'



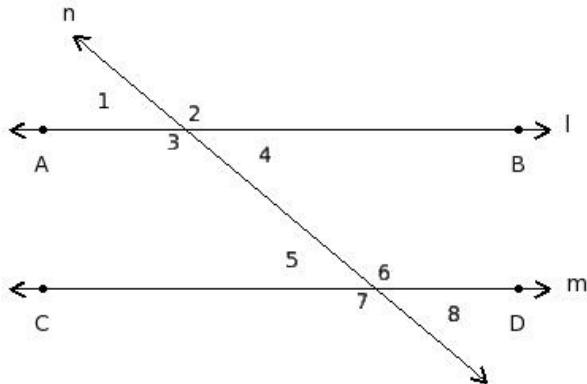
- (i) 99°
- (ii) 104°
- (iii) 129°
- (iv) 109°
- (v) 114°

24. The following lines represent



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

25. Find the vertically opposite angles in the given figure



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

Assignment Key

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

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