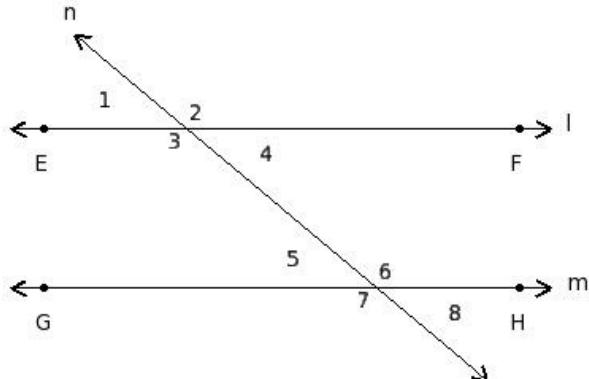


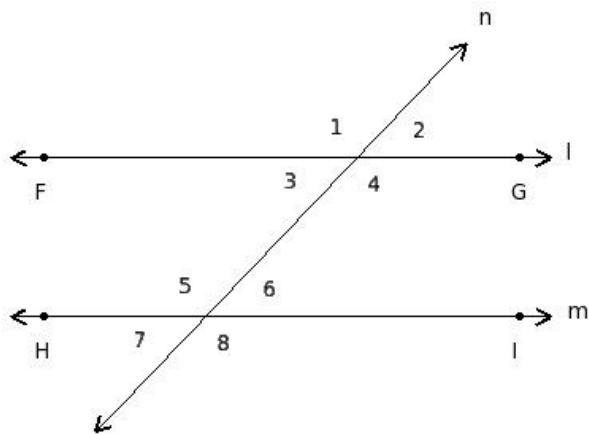


1. Find the adjacent angles in the given figure



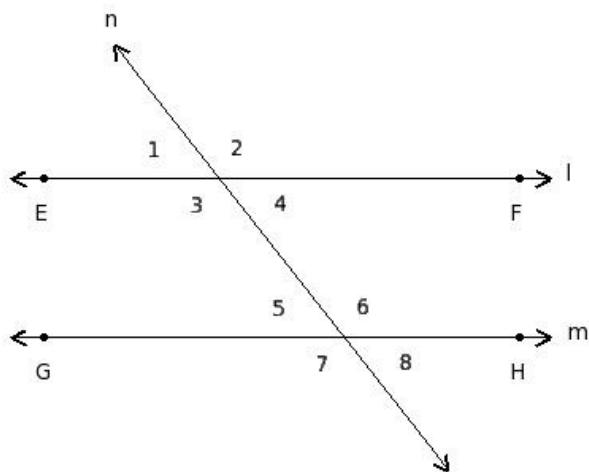
- (i) $\angle 1, \angle 5; \angle 2, \angle 6; \angle 3, \angle 7; \angle 4, \angle 8$ (ii) $\angle 1, \angle 4; \angle 2, \angle 3; \angle 5, \angle 8; \angle 6, \angle 7$ (iii) $\angle 1, \angle 2, \angle 7, \angle 8$
(iv) $\angle 3, \angle 5; \angle 4, \angle 6$ (v) $\angle 1, \angle 2; \angle 2,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

2. Find the vertically opposite angles in the given figure



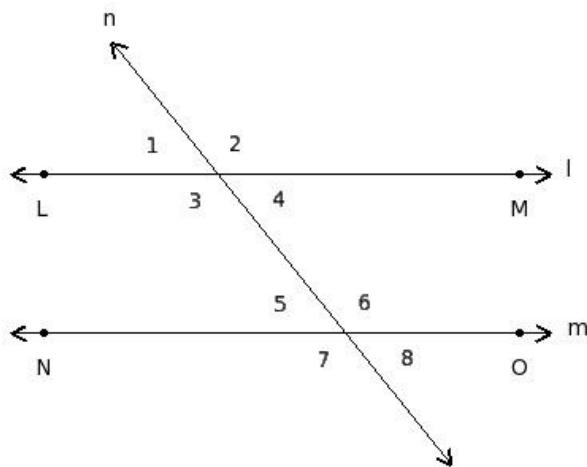
- (i) $\angle 1, \angle 8; \angle 2, \angle 7$ (ii) $\angle 1, \angle 4; \angle 2, \angle 3; \angle 5, \angle 8; \angle 6, \angle 7$ (iii) $\angle 3, \angle 6; \angle 4, \angle 5$
(iv) $\angle 1, \angle 2, \angle 7, \angle 8$ (v) $\angle 1, \angle 2; \angle 2, \angle 4; \angle 4, \angle 3; \angle 3,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

3. Find the interior angles in the given figure



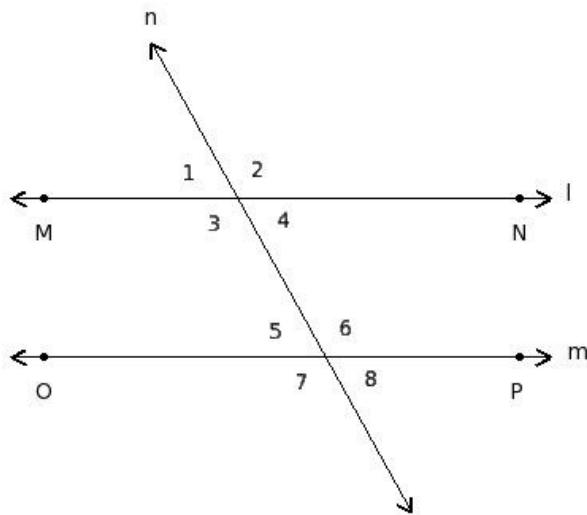
- (i) $\angle 3, \angle 4, \angle 5, \angle 6$ (ii) $\angle 3, \angle 6; \angle 4, \angle 5$ (iii) $\angle 1, \angle 4; \angle 2, \angle 3; \angle 5, \angle 8; \angle 6, \angle 7$
(iv) $\angle 1, \angle 8; \angle 2, \angle 7$ (v) $\angle 1, \angle 2, \angle 7, \angle 8$

4. Find the exterior angles in the given figure



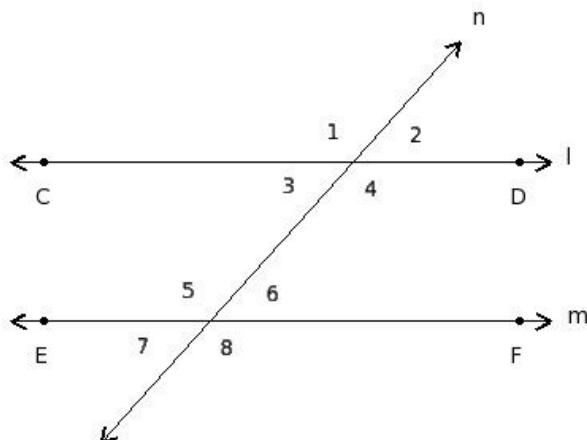
- (i) $\angle 1, \angle 2, \angle 7, \angle 8$ (ii) $\angle 1, \angle 5; \angle 2, \angle 6; \angle 3, \angle 7; \angle 4, \angle 8$
- (iii) $\angle 1, \angle 2; \angle 2, \angle 4; \angle 4, \angle 3; \angle 3, \angle 1; \angle 5, \angle 6; \angle 6, \angle 8; \angle 8, \angle 7; \angle 7, \angle 5$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

5. Find the interior alternate angles in the given figure



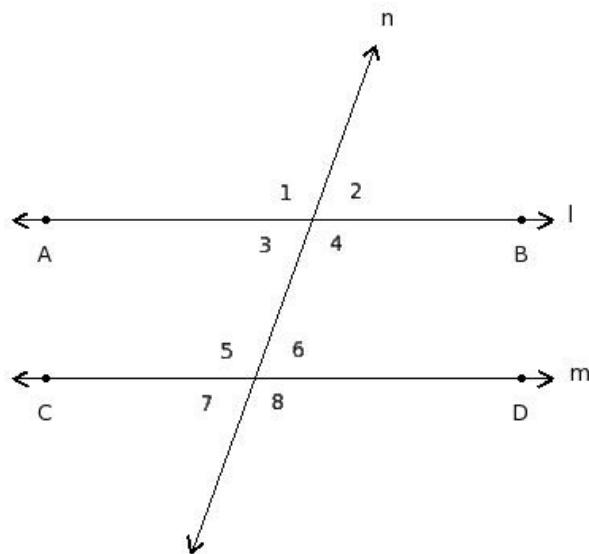
- (i) $\angle 1, \angle 2; \angle 2, \angle 4; \angle 4, \angle 3; \angle 3, \angle 1; \angle 5, \angle 6; \angle 6, \angle 8; \angle 8, \angle 7; \angle 7, \angle 5$ (ii) $\angle 1, \angle 8; \angle 2, \angle 7$
- (iii) $\angle 3, \angle 6; \angle 4, \angle 5$ (iv) $\angle 3, \angle 4, \angle 5, \angle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

6. Find the exterior alternate angles in the given figure



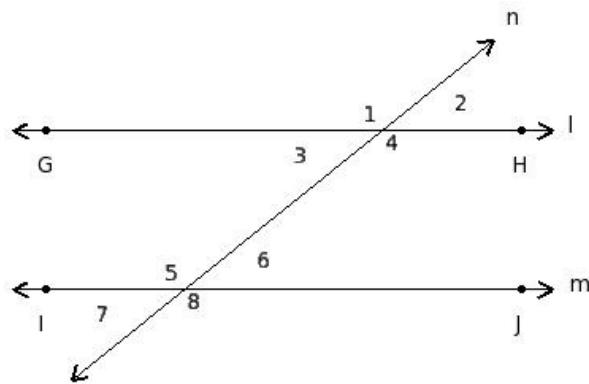
- (i) $\angle 1, \angle 5; \angle 2, \angle 6; \angle 3, \angle 7; \angle 4, \angle 8$ (ii) $\angle 1, \angle 2, \angle 7, \angle 8$ (iii) $\angle 1, \angle 8; \angle 2, \angle 7$
- (iv) $\angle 3, \angle 5; \angle 4, \angle 6$ (v) $\angle 3, \angle 4, \angle 5, \angle 6$

7. Find the corresponding angles in the given figure



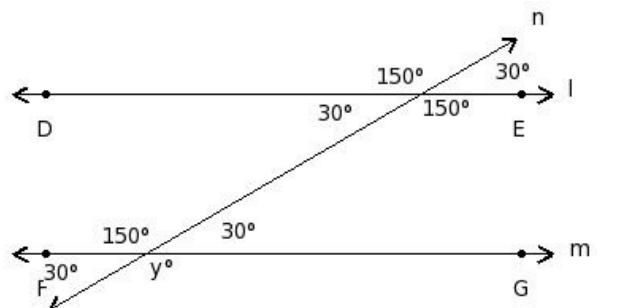
- (i) $\angle 1, \angle 5; \angle 2, \angle 6; \angle 3, \angle 7; \angle 4, \angle 8$ (ii) $\angle 3, \angle 5; \angle 4, \angle 6$ (iii) $\angle 3, \angle 4, \angle 5, \angle 6$ (iv) $\angle 1, \angle 2, \angle 7, \angle 8$
- (v) $\angle 1, \angle 8; \angle 2, \angle 7$

8. Find the co-interior angles in the given figure



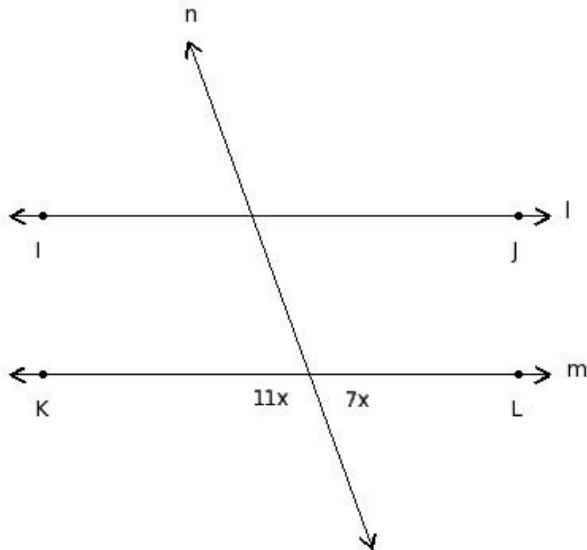
- (i) $\angle 1, \angle 8; \angle 2, \angle 7$ (ii) $\angle 3, \angle 6; \angle 4, \angle 5$ (iii) $\angle 3, \angle 5; \angle 4, \angle 6$
- (iv) $\angle 1, \angle 2; \angle 2, \angle 4; \angle 4, \angle 3; \angle 3, \angle 1; \angle 5, \angle 6; \angle 6, \angle 8; \angle 8, \angle 7; \angle 7, \angle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

9. Find the value of 'y'



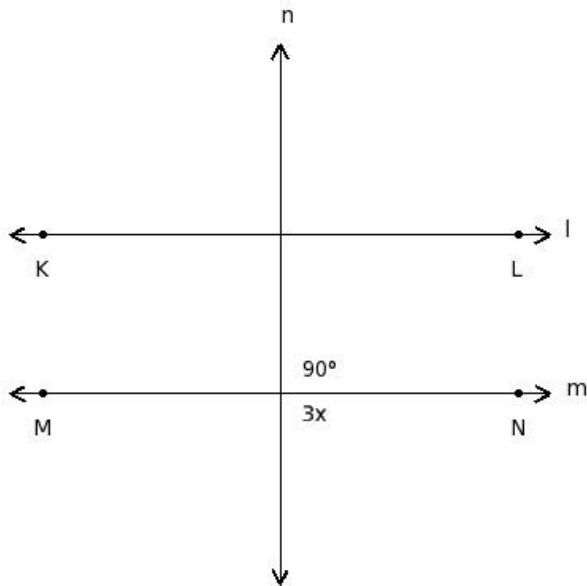
- (i) 180° (ii) 165° (iii) 150° (iv) 160° (v) 155°

10. In the given figure $l \parallel m$. Find the value of 'x'



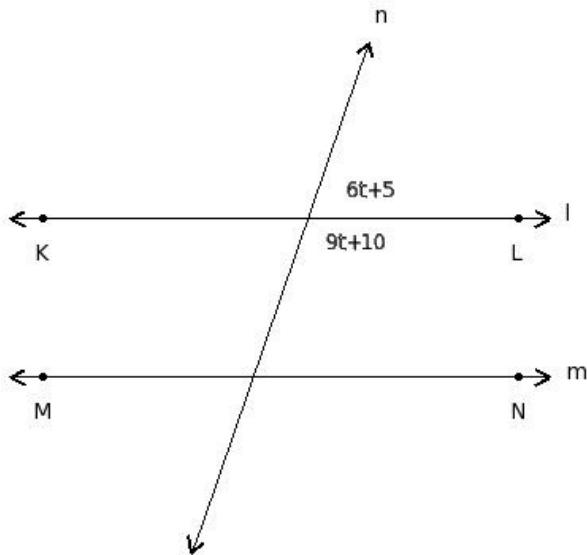
- (i) 8 (ii) 9 (iii) 11 (iv) 12 (v) 10

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



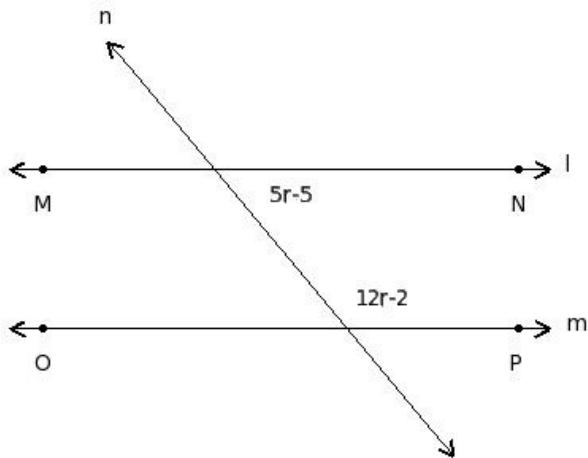
- (i) 31 (ii) 33 (iii) 27 (iv) 29 (v) 30

12. In the given figure $l \parallel m$. Find the value of 't'



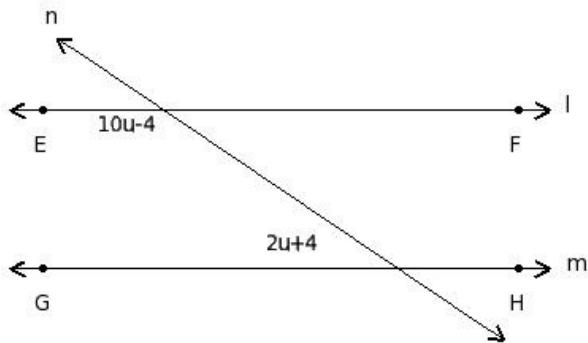
- (i) 12 (ii) 9 (iii) 10 (iv) 14 (v) 11

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



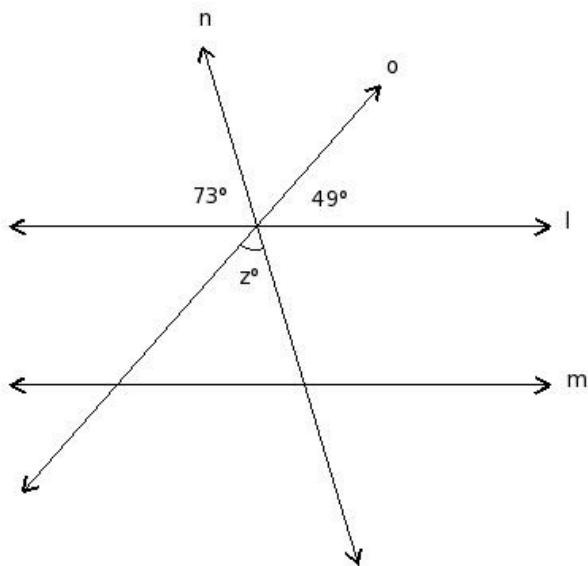
- (i) 11 (ii) 9 (iii) 14 (iv) 10 (v) 12

14. In the given figure $l \parallel m$. Find the value of 'u'



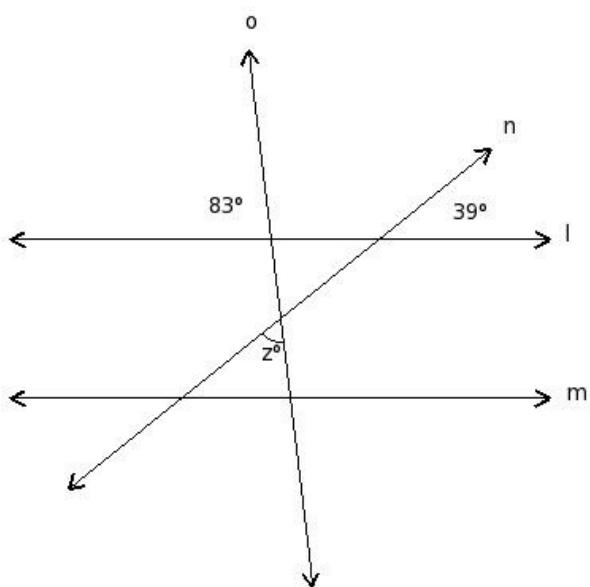
- (i) 17 (ii) 15 (iii) 16 (iv) 14 (v) 12

15. In the given figure $l \parallel m$. Find the value of 'z'



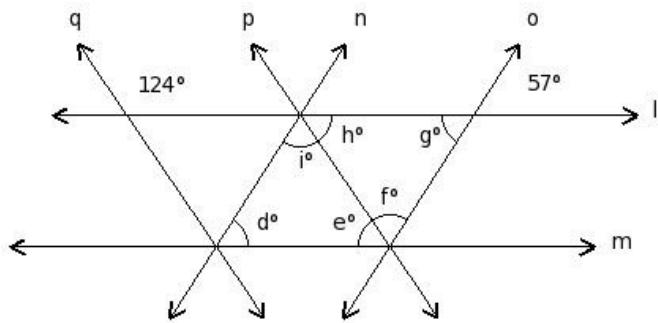
- (i) 58° (ii) 88° (iii) 63° (iv) 73° (v) 68°

16. In the given figure || m. Find the value of 'z'



- (i) 73° (ii) 58° (iii) 68° (iv) 88° (v) 63°

17. In the given figure, $l \parallel m$ and $n \parallel o$ and $p \parallel q$. Find the values of {d,e,f,g,h,i}



- (i) $67^\circ, 57^\circ, 56^\circ, 67^\circ, 56^\circ, 57^\circ$ (ii) $57^\circ, 56^\circ, 67^\circ, 56^\circ, 67^\circ, 57^\circ$ (iii) $56^\circ, 67^\circ, 67^\circ, 57^\circ, 57^\circ, 56^\circ$
(iv) $57^\circ, 56^\circ, 67^\circ, 57^\circ, 56^\circ, 67^\circ$ (v) $67^\circ, 56^\circ, 57^\circ, 67^\circ, 57^\circ, 56^\circ$

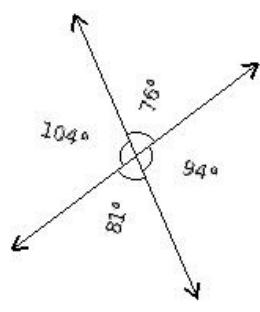
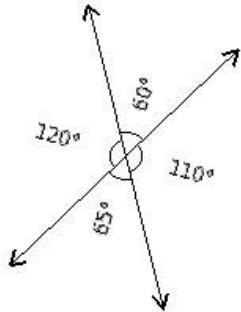
18. Which of the following are true for alternate angles?

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

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

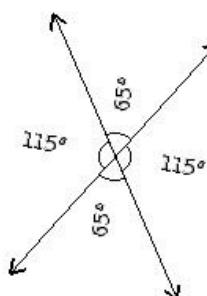
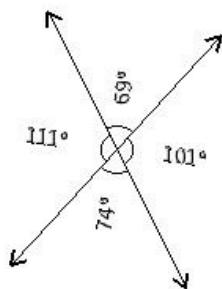
- a) They are adjacent angles
 - b) They are on the same side of the transversal
 - c) One is interior angle and the other is exterior angle
 - d) They are on either side of the transversal
 - e) Both are interior angles
 - f) They are not adjacent angles
- (i) {d,b,c} (ii) {e,a,f} (iii) {d,c} (iv) {b,c,f}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

20. Which of the given figures is correct?



I

II

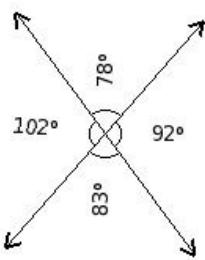
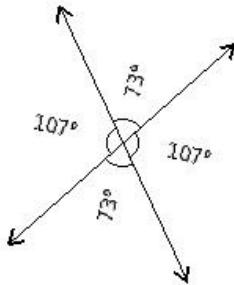


III

IV

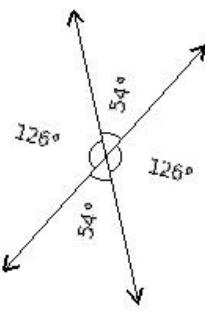
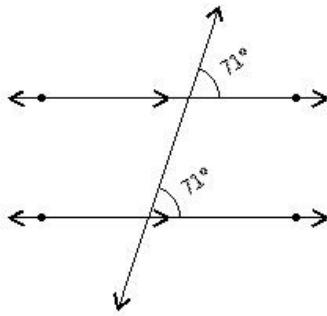
- (i) I (ii) IV (iii) III (iv) II

21. Which of the given figures is wrong?



I

II

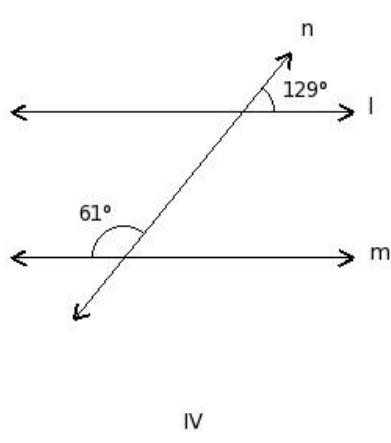
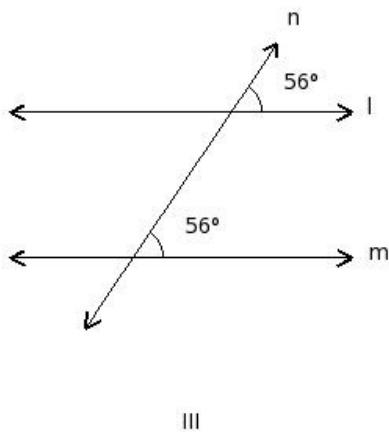
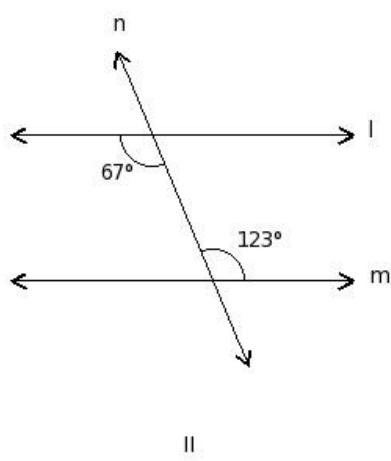
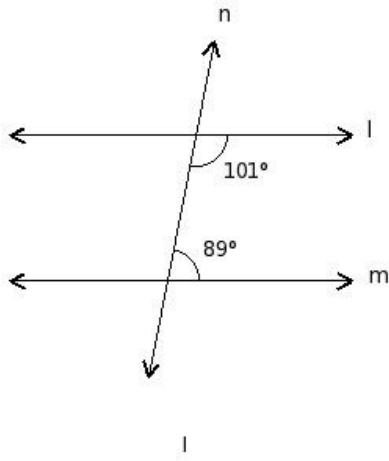


III

IV

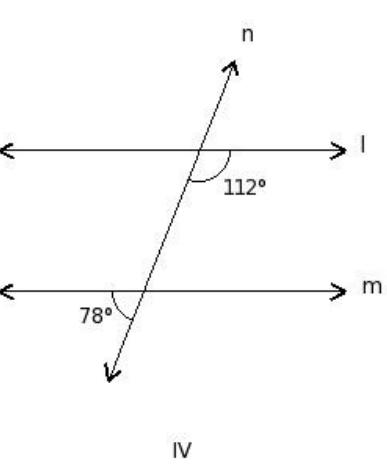
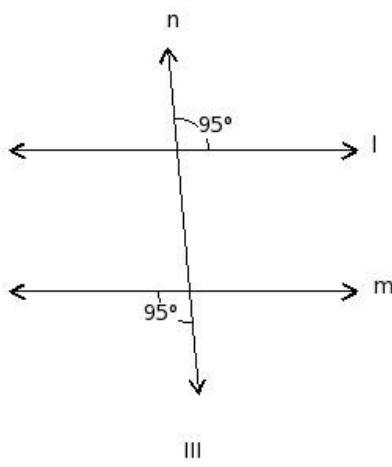
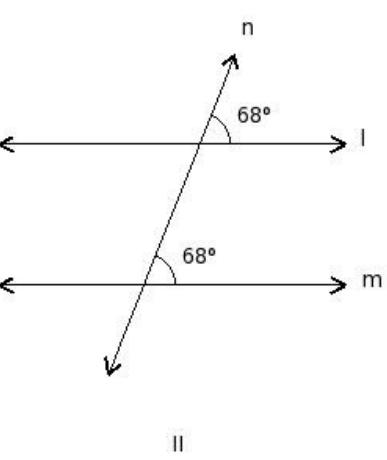
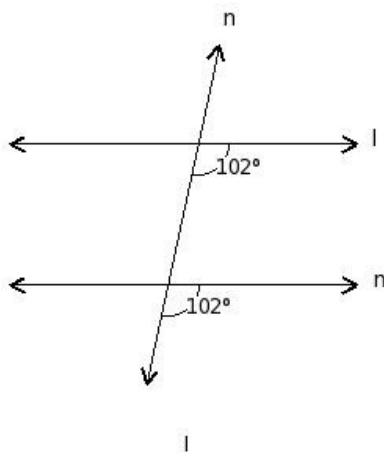
- (i) IV (ii) II (iii) I (iv) III

22. In which of the figures given below, $l \parallel m$?



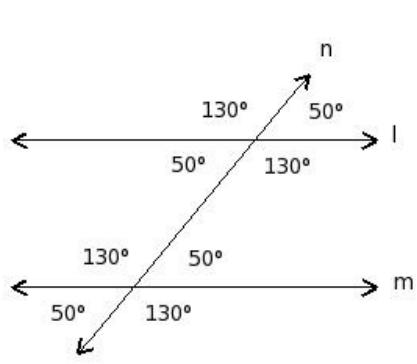
- (i) I (ii) II (iii) III (iv) IV

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

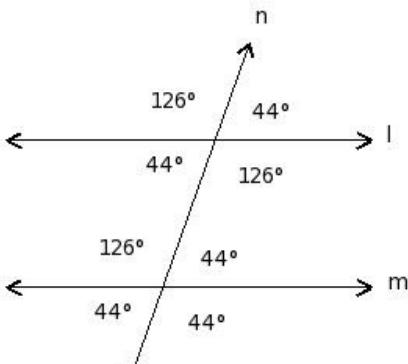


- (i) III (ii) II (iii) I (iv) IV

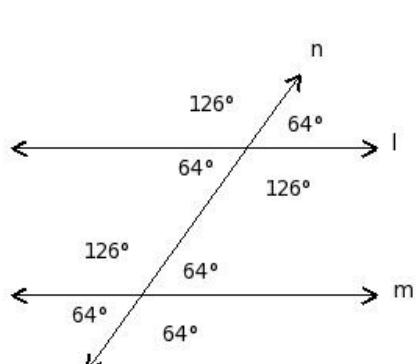
24. If $l \parallel m$, which of the given figures is correct?



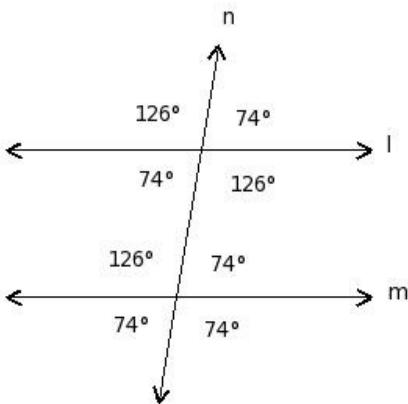
I



II



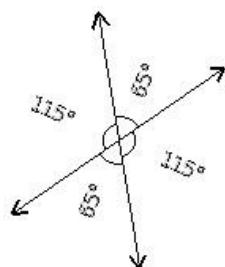
III



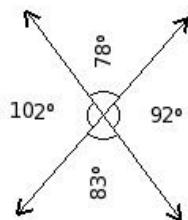
IV

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

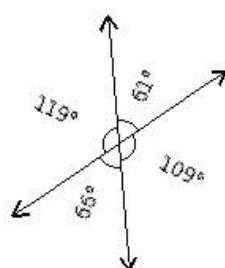
25. Which of the given figures is correct?



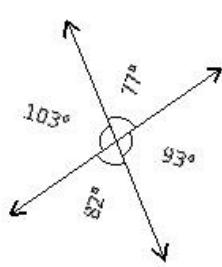
I



II



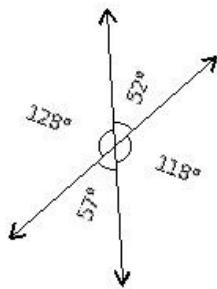
III



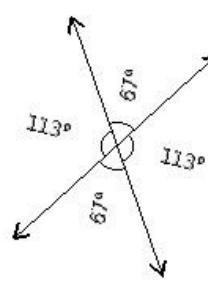
IV

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

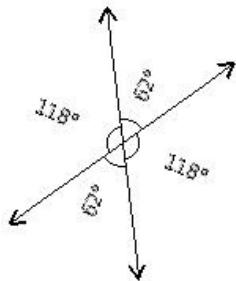
26. Which of the given figures is wrong?



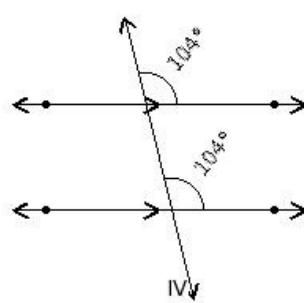
I



II



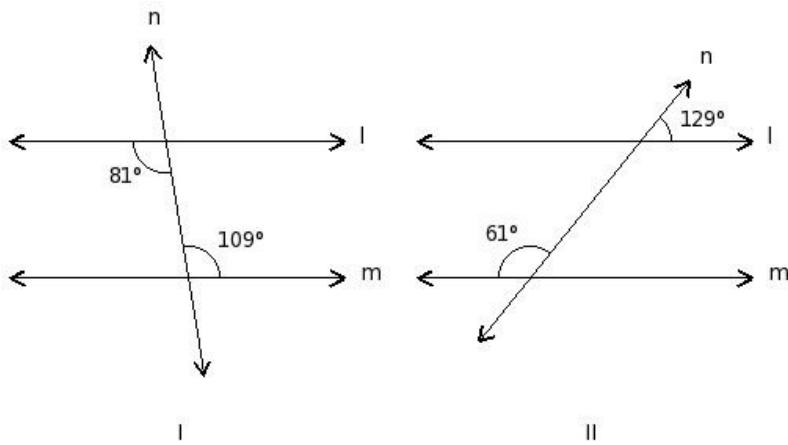
III



IV

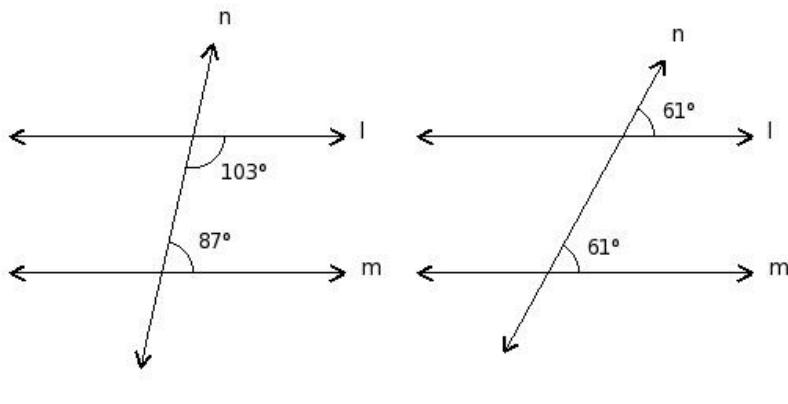
- (i) III (ii) IV (iii) I (iv) II

27. In which of the figures given below, $l \parallel m$?



I

II

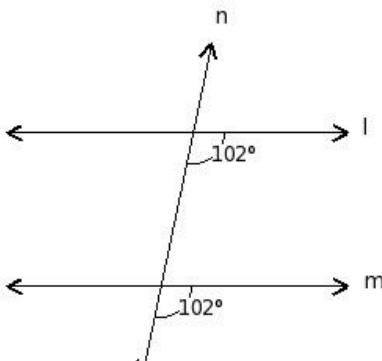


III

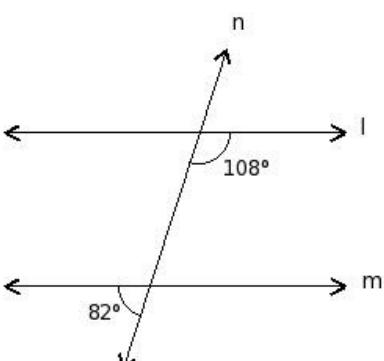
IV

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

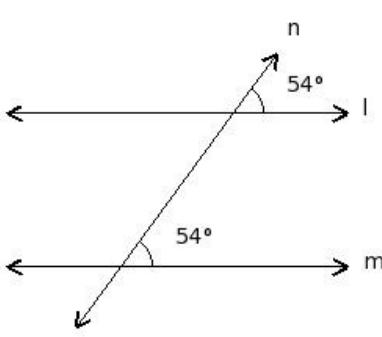
28. In which of the figures given below, $l \not\parallel m$ (not parallel)?



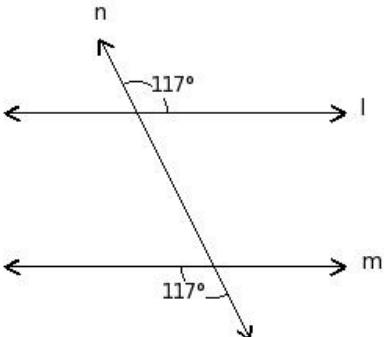
I



II



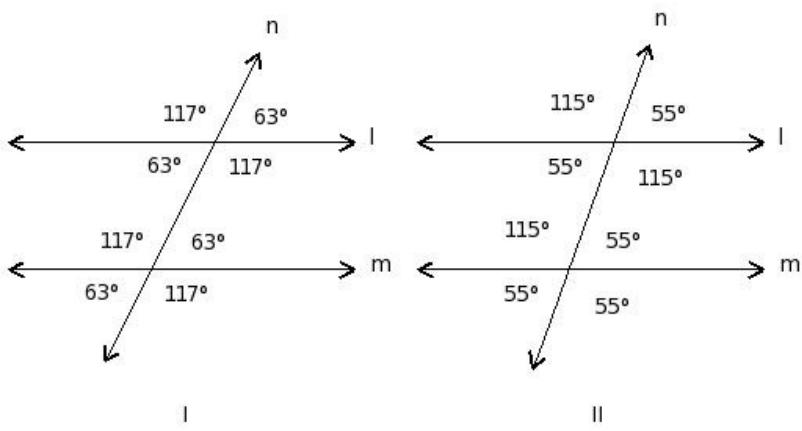
III



IV

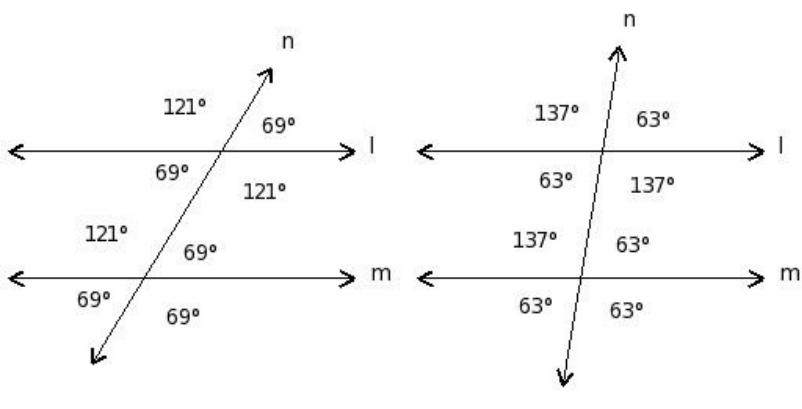
- (i) III (ii) II (iii) I (iv) IV

29. If $l \parallel m$, which of the given figures is correct?



I

II



III

IV

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

Assignment Key

1) (v)	2) (ii)	3) (i)	4) (i)	5) (iii)	6) (iii)
7) (i)	8) (iii)	9) (iii)	10) (v)	11) (v)	12) (v)
13) (i)	14) (ii)	15) (i)	16) (ii)	17) (iv)	18) (iv)
19) (iv)	20) (ii)	21) (ii)	22) (iii)	23) (iv)	24) (i)
25) (ii)	26) (iii)	27) (i)	28) (ii)	29) (ii)	

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