

EduSahara™ Learning Center Assignment

Grade : Class IX, ICSE

Chapter : Triangles

Name : Triangle Angle Properties

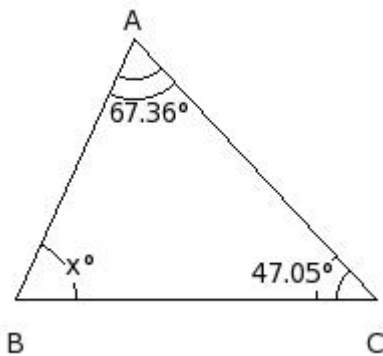
1. Two angles of a triangle measure 53° and 58° respectively. Find the measure of the third angle of the triangle

- (i) 67° (ii) 68° (iii) 70° (iv) 69° (v) 71°

2. The angles of a triangle ABC are in the ratio 6 : 3 : 11. Find the measure of each angle of the triangle

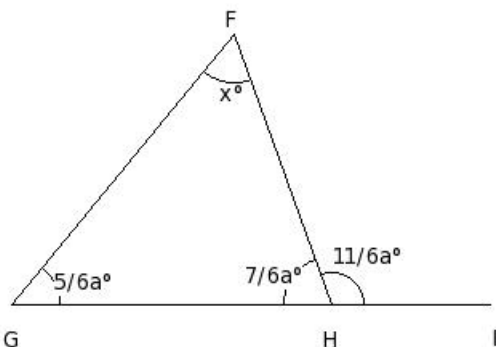
- (i) $A = 54^\circ$, $B = 25^\circ$, $C = 101^\circ$
 (ii) $A = 54^\circ$, $B = 27^\circ$, $C = 99^\circ$
 (iii) $A = 52^\circ$, $B = 27^\circ$, $C = 101^\circ$
 (iv) $A = 56^\circ$, $B = 27^\circ$, $C = 97^\circ$
 (v) $A = 52^\circ$, $B = 29^\circ$, $C = 99^\circ$

3. Find the unknown angle from the following figure



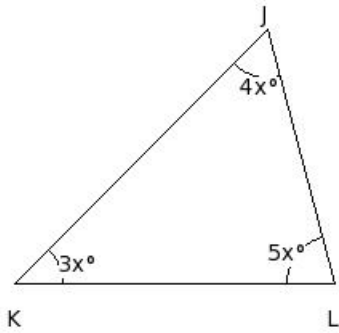
- (i) $x = 63.59^\circ$ (ii) $x = 65.59^\circ$ (iii) $x = 64.59^\circ$ (iv) $x = 66.59^\circ$ (v) $x = 67.59^\circ$

4. In the given figure, $\triangle FGH$ in which side GH has been produced to I. If $\angle HFG = x^\circ$, $\angle FGH = (5/6a)^\circ$, $\angle GHF = (7/6a)^\circ$ and $\angle FHI = (11/6a)^\circ$, find the values of a and x.



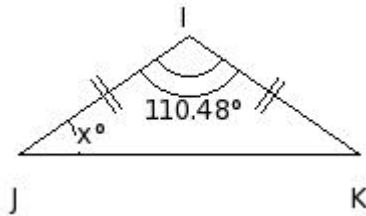
- (i) $a = 60^\circ$, $x = 60^\circ$
 (ii) $a = 61^\circ$, $x = 61^\circ$
 (iii) $a = 58^\circ$, $x = 58^\circ$
 (iv) $a = 62^\circ$, $x = 62^\circ$
 (v) $a = 59^\circ$, $x = 59^\circ$

5. Find the angles of the triangle



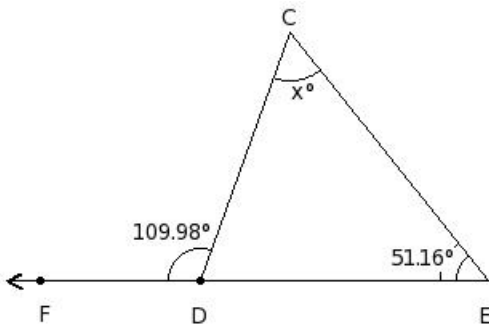
- (i) $J = 60^\circ$, $K = 45^\circ$, $L = 75^\circ$
- (ii) $J = 58^\circ$, $K = 45^\circ$, $L = 77^\circ$
- (iii) $J = 62^\circ$, $K = 45^\circ$, $L = 73^\circ$
- (iv) $J = 60^\circ$, $K = 43^\circ$, $L = 77^\circ$
- (v) $J = 58^\circ$, $K = 47^\circ$, $L = 75^\circ$

6. Calculate the value of x in the following figure



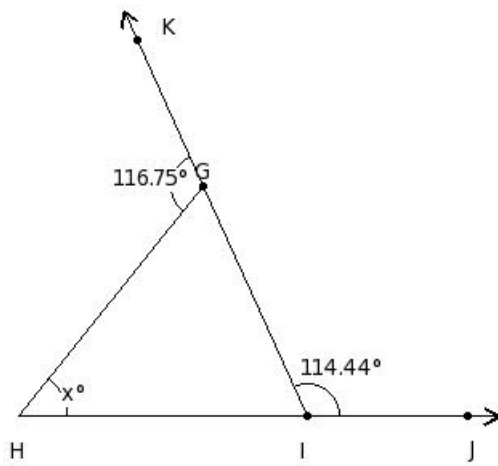
- (i) $x = 33.76^\circ$ (ii) $x = 36.76^\circ$ (iii) $x = 32.76^\circ$
- (iv) $x = 35.76^\circ$ (v) $x = 34.76^\circ$

7. Calculate the value of x in the following figure



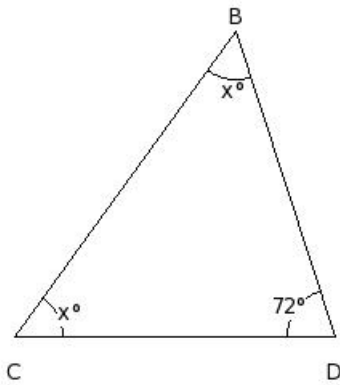
- (i) $x = 59.82^\circ$ (ii) $x = 60.82^\circ$ (iii) $x = 56.82^\circ$
- (iv) $x = 57.82^\circ$ (v) $x = 58.82^\circ$

8. Find the unknown marked angle in the following figure



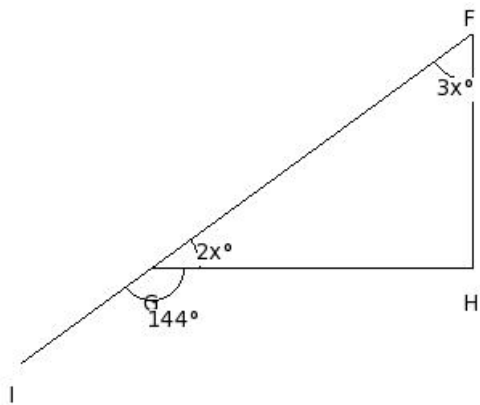
- (i) $x = 52.19^\circ$ (ii) $x = 50.19^\circ$ (iii) $x = 53.19^\circ$
 (iv) $x = 49.19^\circ$ (v) $x = 51.19^\circ$

9. Find the unknown angles in the following figure



- (i) $B = 54^\circ, C = 54^\circ$
 (ii) $B = 55^\circ, C = 55^\circ$
 (iii) $B = 53^\circ, C = 53^\circ$
 (iv) $B = 52^\circ, C = 52^\circ$
 (v) $B = 56^\circ, C = 56^\circ$

10. In the following figure, one side of a triangle has been produced. Find all the angles of the triangle

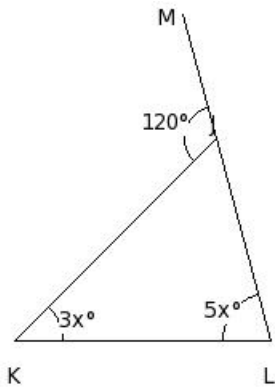


- (i) $F = 54^\circ, G = 36^\circ, H = 90^\circ$
 (ii) $F = 52^\circ, G = 36^\circ, H = 92^\circ$
 (iii) $F = 56^\circ, G = 36^\circ, H = 88^\circ$

(iv) $F = 54^\circ$, $G = 34^\circ$, $H = 92^\circ$

(v) $F = 52^\circ$, $G = 38^\circ$, $H = 90^\circ$

11. In the following figure, one side of a triangle has been produced. Find all the angles of the triangle.



(i) $J = 58^\circ$, $K = 47^\circ$, $L = 75^\circ$

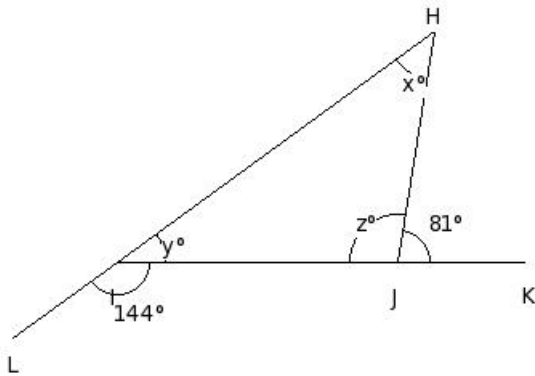
(ii) $J = 60^\circ$, $K = 43^\circ$, $L = 77^\circ$

(iii) $J = 62^\circ$, $K = 45^\circ$, $L = 73^\circ$

(iv) $J = 58^\circ$, $K = 45^\circ$, $L = 77^\circ$

(v) $J = 60^\circ$, $K = 45^\circ$, $L = 75^\circ$

12. In the following figure, two sides of a triangle have been produced. Find all the angles of the triangle.



(i) $x = 45^\circ$, $y = 36^\circ$, $z = 99^\circ$

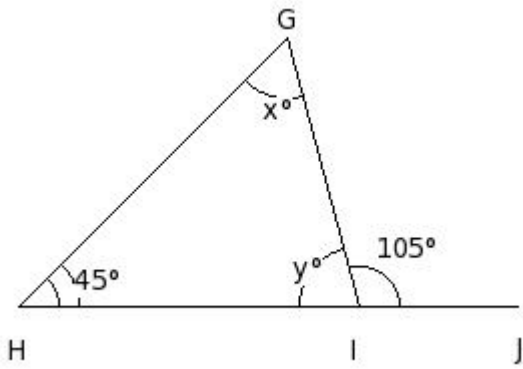
(ii) $x = 43^\circ$, $y = 36^\circ$, $z = 101^\circ$

(iii) $x = 45^\circ$, $y = 34^\circ$, $z = 101^\circ$

(iv) $x = 47^\circ$, $y = 36^\circ$, $z = 97^\circ$

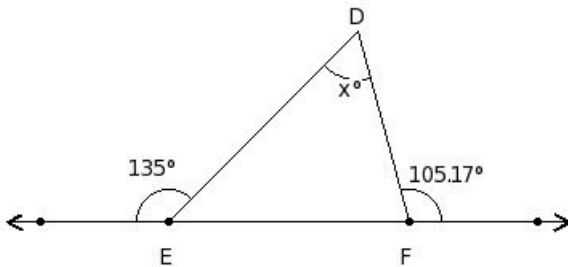
(v) $x = 43^\circ$, $y = 38^\circ$, $z = 99^\circ$

13. In the following figure, one side of a triangle has been produced. Find the values of x and y .



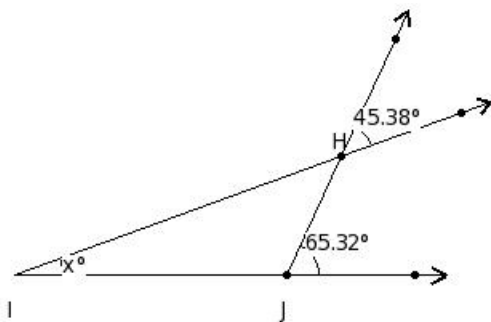
- (i) $x = 61^\circ$, $y = 76^\circ$
- (ii) $x = 62^\circ$, $y = 77^\circ$
- (iii) $x = 59^\circ$, $y = 74^\circ$
- (iv) $x = 58^\circ$, $y = 73^\circ$
- (v) $x = 60^\circ$, $y = 75^\circ$

14. Calculate the value of the lettered angle in the following figure



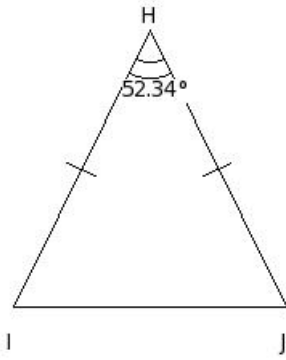
- (i) $x = 61.17^\circ$ (ii) $x = 62.17^\circ$ (iii) $x = 60.17^\circ$
- (iv) $x = 59.17^\circ$ (v) $x = 58.17^\circ$

15. Calculate the value of the lettered angle in the following figure



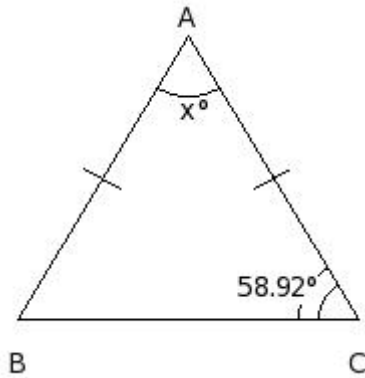
- (i) $x = 19.94^\circ$ (ii) $x = 17.94^\circ$ (iii) $x = 20.94^\circ$
- (iv) $x = 21.94^\circ$ (v) $x = 18.94^\circ$

16. In the given triangle, $\angle H = 52.34^\circ$. Find the measure of $\angle I$ and $\angle J$



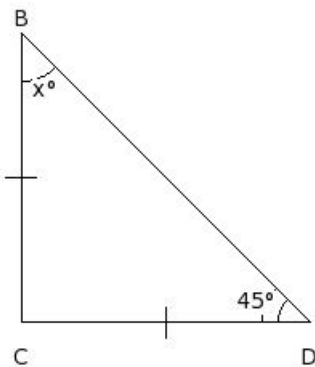
- (i) $\angle I = \angle J = 65.83^\circ$
- (ii) $\angle I = \angle J = 63.83^\circ$
- (iii) $\angle I = \angle J = 62.83^\circ$
- (iv) $\angle I = \angle J = 61.83^\circ$
- (v) $\angle I = \angle J = 64.83^\circ$

17. Find the unknown angle in the following figure



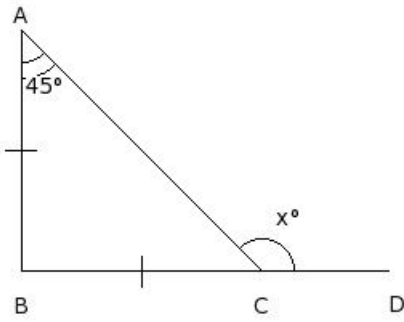
- (i) $x = 63.16^\circ$ (ii) $x = 64.16^\circ$ (iii) $x = 62.16^\circ$
- (iv) $x = 61.16^\circ$ (v) $x = 60.16^\circ$

18. Find the unknown angle in the following figure



- (i) $x = 47^\circ$ (ii) $x = 45^\circ$ (iii) $x = 43^\circ$
- (iv) $x = 46^\circ$ (v) $x = 44^\circ$

19. Find the unknown angle in the following figure



- (i) $x = 136^\circ$ (ii) $x = 137^\circ$ (iii) $x = 134^\circ$
 (iv) $x = 135^\circ$ (v) $x = 133^\circ$

20. In $\triangle ABC$, if $\angle A = 59^\circ$ and $\angle B = 61^\circ$, find the measure of $\angle C$

- (i) $C = 62^\circ$ (ii) $C = 61^\circ$ (iii) $C = 60^\circ$ (iv) $C = 58^\circ$ (v) $C = 59^\circ$

21. In $\triangle IJK$, if $\angle I = 90^\circ$ and $\angle J = \angle K$, find the measure of each of the equal angles of the triangle

- (i) 46° (ii) 45° (iii) 47° (iv) 43° (v) 44°

22. One angle of a triangle measures 54° and the other two angles are in the ratio 5 : 9. Find these angles.

- (i) $B = 43^\circ, C = 79^\circ$
 (ii) $B = 44^\circ, C = 80^\circ$
 (iii) $B = 45^\circ, C = 81^\circ$
 (iv) $B = 47^\circ, C = 83^\circ$
 (v) $B = 46^\circ, C = 82^\circ$

23. In a right-angled triangle, the two acute angles are in the ratio 7 : 2. Find these angles.

- (i) $A = 70^\circ, C = 20^\circ$
 (ii) $A = 69^\circ, C = 19^\circ$
 (iii) $A = 71^\circ, C = 21^\circ$
 (iv) $A = 72^\circ, C = 22^\circ$
 (v) $A = 68^\circ, C = 18^\circ$

24. One of the two equal angles of an isosceles triangle measures 61° . Find the measure of each angle of the triangle.

- (i) $A = 59^\circ, B = 61^\circ, C = 60^\circ$
 (ii) $A = 61^\circ, B = 61^\circ, C = 58^\circ$
 (iii) $A = 59^\circ, B = 63^\circ, C = 58^\circ$
 (iv) $A = 61^\circ, B = 59^\circ, C = 60^\circ$
 (v) $A = 63^\circ, B = 61^\circ, C = 56^\circ$

25. Find the measure of each of the two equal angles of an isosceles right-angled triangle.

- (i) 45° (ii) 47° (iii) 43° (iv) 46° (v) 44°

26. If all the three angles of a triangle are of the same measure, find the measure of each of the angles.

- (i) 58° (ii) 61° (iii) 60° (iv) 59° (v) 62°
-

27. In a right-angled triangle if one of the acute angles is 26° , find the measure of the other acute angle.

- (i) 65° (ii) 64° (iii) 66° (iv) 62° (v) 63°
-

28. The vertical angle of an isosceles triangle is twice the sum of its base angles. Find each angle of the triangle.

- (i) $A = 118^\circ$, $B = 30^\circ$, $C = 32^\circ$
(ii) $A = 120^\circ$, $B = 28^\circ$, $C = 32^\circ$
(iii) $A = 120^\circ$, $B = 30^\circ$, $C = 30^\circ$
(iv) $A = 118^\circ$, $B = 32^\circ$, $C = 30^\circ$
(v) $A = 122^\circ$, $B = 30^\circ$, $C = 28^\circ$
-

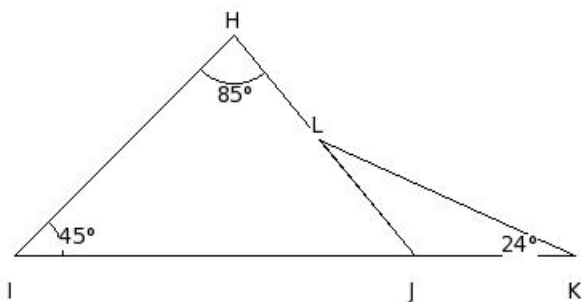
29. In an isosceles triangle, each base angle is four times its vertical angle. Find each angle of the triangle.

- (i) $A = 18^\circ$, $B = 80^\circ$, $C = 82^\circ$
(ii) $A = 20^\circ$, $B = 80^\circ$, $C = 80^\circ$
(iii) $A = 20^\circ$, $B = 78^\circ$, $C = 82^\circ$
(iv) $A = 18^\circ$, $B = 82^\circ$, $C = 80^\circ$
(v) $A = 22^\circ$, $B = 80^\circ$, $C = 78^\circ$
-

30. The ratio between the base angle and the vertical angle of an isosceles triangle is $1 : 1$. Find each angle of the triangle

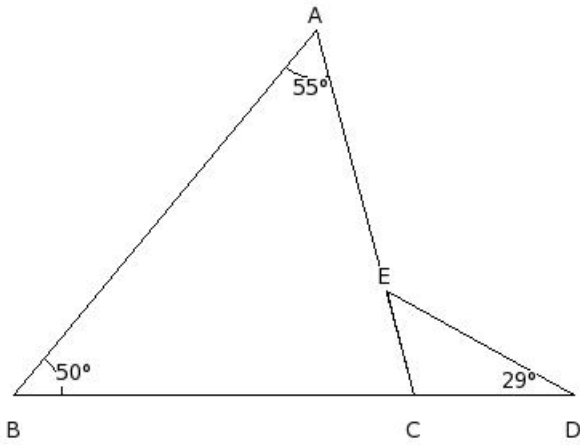
- (i) $A = 60^\circ$, $B = 58^\circ$, $C = 62^\circ$
(ii) $A = 62^\circ$, $B = 60^\circ$, $C = 58^\circ$
(iii) $A = 58^\circ$, $B = 60^\circ$, $C = 62^\circ$
(iv) $A = 58^\circ$, $B = 62^\circ$, $C = 60^\circ$
(v) $A = 60^\circ$, $B = 60^\circ$, $C = 60^\circ$
-

31. In the given figure, find $\angle IJH$



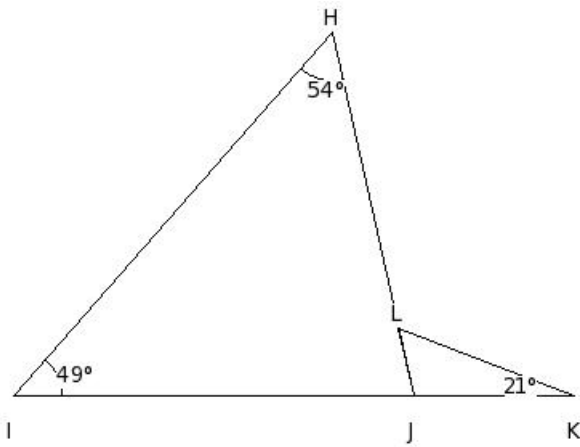
- (i) 49° (ii) 48° (iii) 50° (iv) 51° (v) 52°
-

32. In the given figure, find $\angle ECD$



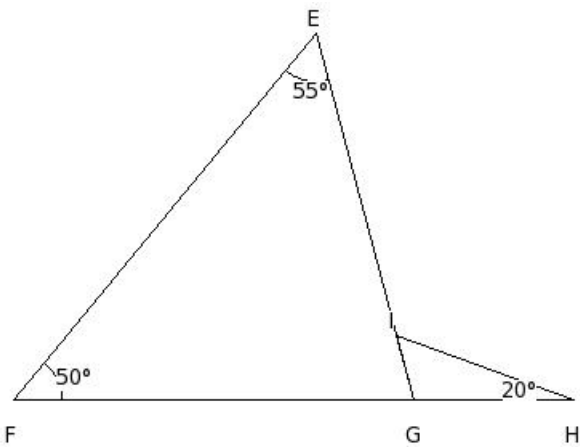
- (i) 106° (ii) 107° (iii) 103° (iv) 104° (v) 105°

33. In the given figure, find $\angle KLJ$



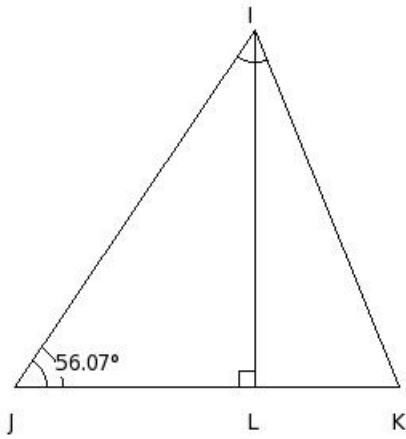
- (i) 58° (ii) 57° (iii) 56° (iv) 55° (v) 54°

34. In the given figure, find $\angle EIH$



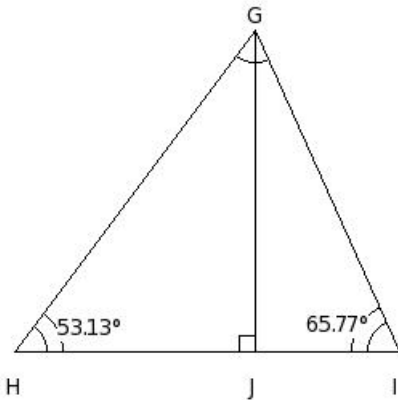
- (i) 127° (ii) 124° (iii) 126° (iv) 123° (v) 125°

35. In the given figure, if $LI \perp JK$ and $\angle IJL = 56.07^\circ$, find $\angle LIJ$



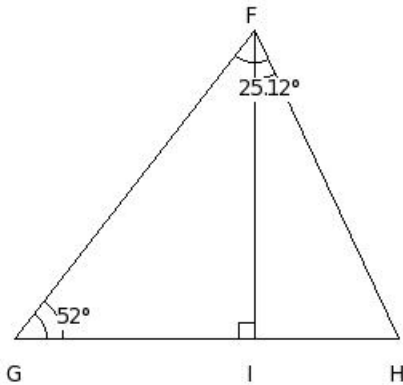
- (i) 31.93° (ii) 33.93° (iii) 32.93° (iv) 35.93° (v) 34.93°

36. In the given figure , if $JG \perp HI$ and $\angle GHJ = 53.13^\circ$, find $\angle IGJ$



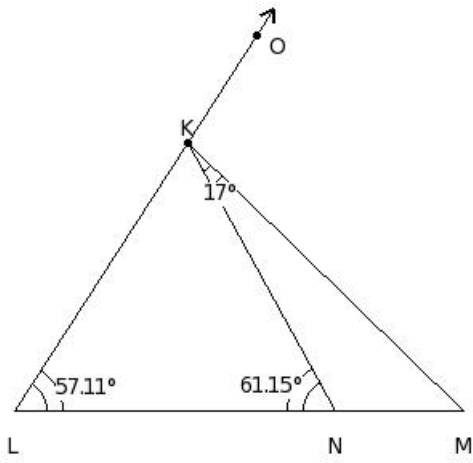
- (i) 24.23° (ii) 25.23° (iii) 22.23° (iv) 26.23° (v) 23.23°

37. In the given figure , if $IF \perp GH$ and $\angle FGI = 52^\circ$, find $\angle IHF$



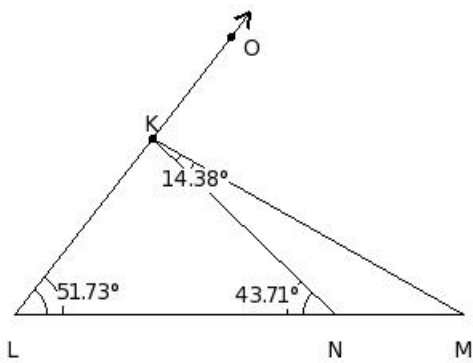
- (i) 66.88° (ii) 64.88° (iii) 62.88° (iv) 63.88° (v) 65.88°

38. In below given figure, find $\angle KNM$



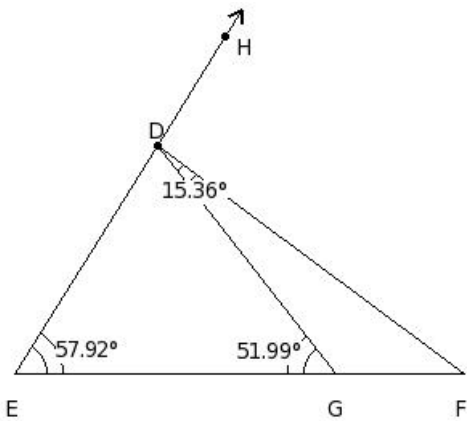
- (i) 119.85° (ii) 118.85° (iii) 116.85° (iv) 117.85° (v) 120.85°

39. In below given figure, find $\angle NKL$



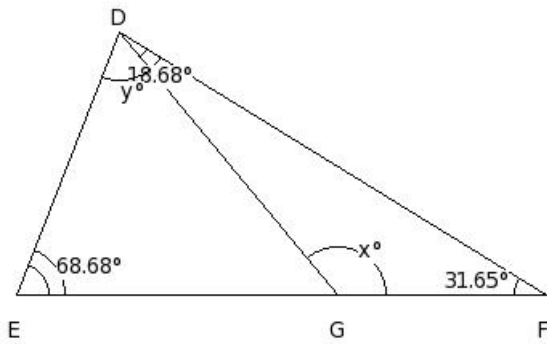
- (i) 85.56° (ii) 86.56° (iii) 84.56° (iv) 83.56° (v) 82.56°

40. In below given figure, find $\angle FDH$



- (i) 94.55° (ii) 95.55° (iii) 93.55° (iv) 96.55° (v) 92.55°

41. In the given figure, find the values of x and y .

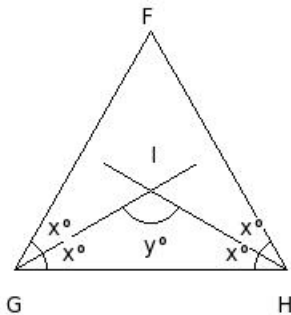


- (i) $x = 131.67^\circ$, $y = 62.99^\circ$
- (ii) $x = 130.67^\circ$, $y = 61.99^\circ$
- (iii) $x = 129.67^\circ$, $y = 60.99^\circ$
- (iv) $x = 127.67^\circ$, $y = 58.99^\circ$
- (v) $x = 128.67^\circ$, $y = 59.99^\circ$

42. Each of the two equal angles of an isosceles triangle is half the third angle. Find the angles of the triangle

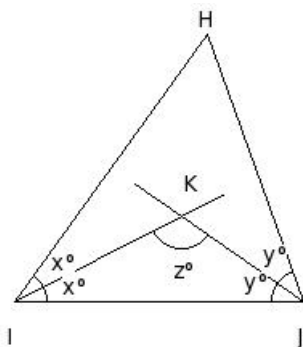
- (i) $X = 47^\circ$, $Y = 90^\circ$, $Z = 43^\circ$
- (ii) $X = 43^\circ$, $Y = 92^\circ$, $Z = 45^\circ$
- (iii) $X = 45^\circ$, $Y = 88^\circ$, $Z = 47^\circ$
- (iv) $X = 43^\circ$, $Y = 90^\circ$, $Z = 47^\circ$
- (v) $X = 45^\circ$, $Y = 90^\circ$, $Z = 45^\circ$

43. In the given figure, $\triangle FGH$ is a triangle in which $\angle F = \angle G = \angle H$. This bisectors of $\angle G$ and $\angle H$ intersect at I. Find $\angle I =$



- (i) 122° (ii) 120° (iii) 118° (iv) 119° (v) 121°

44. In the given figure, $\triangle HIJ$ is a triangle in which $\angle I = 54.14^\circ$ and $\angle J = 70.13^\circ$. If 'z' is the angle between the bisector of $\angle I$ and $\angle J$, then find z.

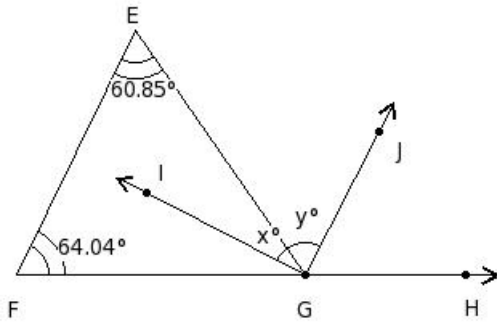


- (i) 117.87° (ii) 118.87° (iii) 116.87° (iv) 119.87° (v) 115.87°

In the given figure, $\angle E = 60.85^\circ$ and $\angle F = 64.04^\circ$.

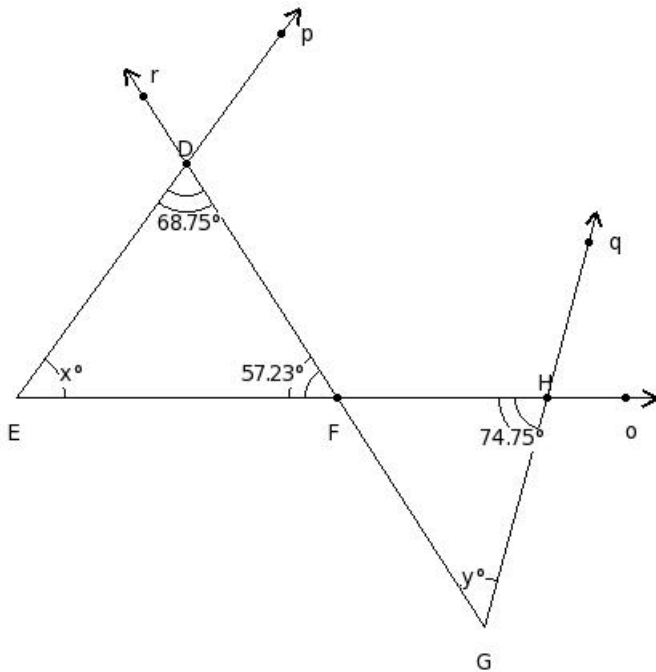
45. Side FG is produced to H, so that $\angle FGE$ and $\angle EGH$ form a linear pair.

If $\overrightarrow{GI}$ and $\overrightarrow{GJ}$ are the bisectors of $\angle FGE$ and $\angle EGH$, find x and y .



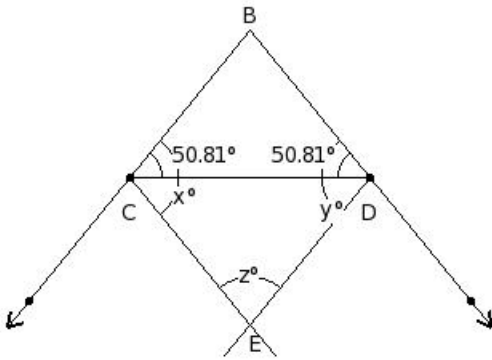
- (i) $x = 27.55^\circ$, $y = 62.45^\circ$
 (ii) $x = 26.55^\circ$, $y = 61.45^\circ$
 (iii) $x = 25.55^\circ$, $y = 60.45^\circ$
 (iv) $x = 29.55^\circ$, $y = 64.44^\circ$
 (v) $x = 28.55^\circ$, $y = 63.45^\circ$

46. In the given figure, find the values of x and y



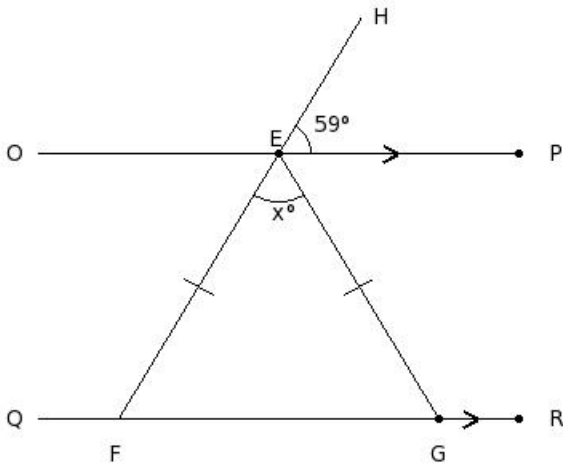
- (i) $x = 54.02^\circ$, $y = 48.02^\circ$
 (ii) $x = 53.02^\circ$, $y = 47.02^\circ$
 (iii) $x = 55.02^\circ$, $y = 49.02^\circ$
 (iv) $x = 52.02^\circ$, $y = 46.02^\circ$
 (v) $x = 56.02^\circ$, $y = 50.02^\circ$

47. In the given figure, $\triangle BCD$ in which $\angle C = 50.81^\circ$ and $\angle D = 50.81^\circ$. BE and CD bisect each other. Find the value of z



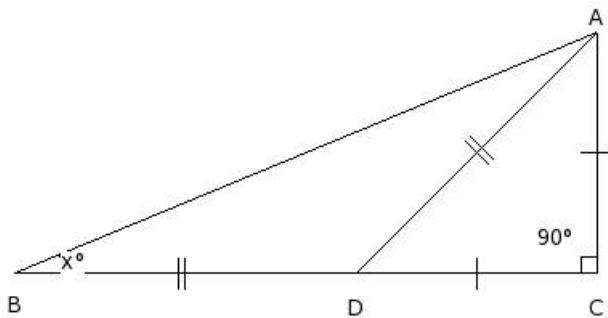
- (i) $z = 78.38^\circ$ (ii) $z = 76.38^\circ$ (iii) $z = 79.38^\circ$
 (iv) $z = 80.38^\circ$ (v) $z = 77.38^\circ$

48. In the given figure, $OP \parallel QR$, $\angle HEP = 59^\circ$ and $EF = GE$. Find the measure of x .



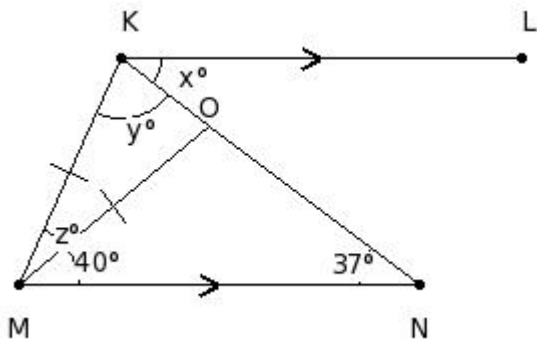
- (i) $x = 63^\circ$ (ii) $x = 60^\circ$ (iii) $x = 61^\circ$
 (iv) $x = 64^\circ$ (v) $x = 62^\circ$

49. In the given figure, find the value of x .



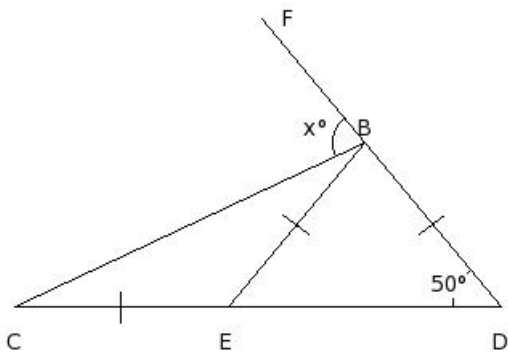
- (i) $x = 20.5^\circ$ (ii) $x = 24.5^\circ$ (iii) $x = 21.5^\circ$
 (iv) $x = 23.5^\circ$ (v) $x = 22.5^\circ$

50. In the given figure, $KL \parallel MN$ and $KM = MO$. Find the values of x, y and z .



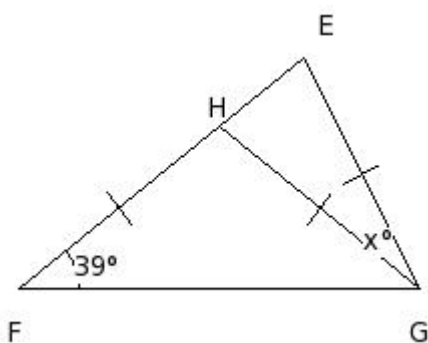
- (i) $x = 35^\circ, y = 77^\circ, z = 28^\circ$
- (ii) $x = 39^\circ, y = 77^\circ, z = 24^\circ$
- (iii) $x = 37^\circ, y = 77^\circ, z = 26^\circ$
- (iv) $x = 35^\circ, y = 79^\circ, z = 26^\circ$
- (v) $x = 37^\circ, y = 75^\circ, z = 28^\circ$

51. In the given figure, if $DB = BE = CE$. Find the value of x .



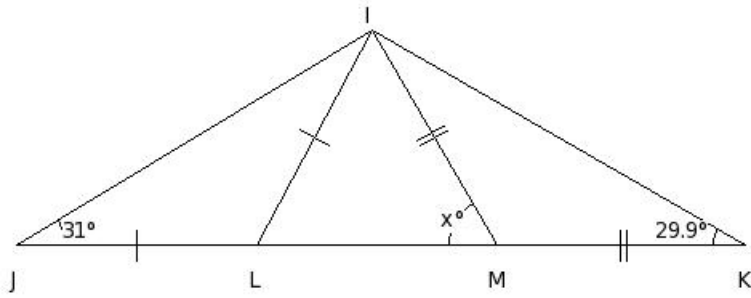
- (i) $x = 76^\circ$ (ii) $x = 74^\circ$ (iii) $x = 73^\circ$
(iv) $x = 75^\circ$ (v) $x = 77^\circ$

52. In the given figure, if $GE = GH = HF$, find the value of x



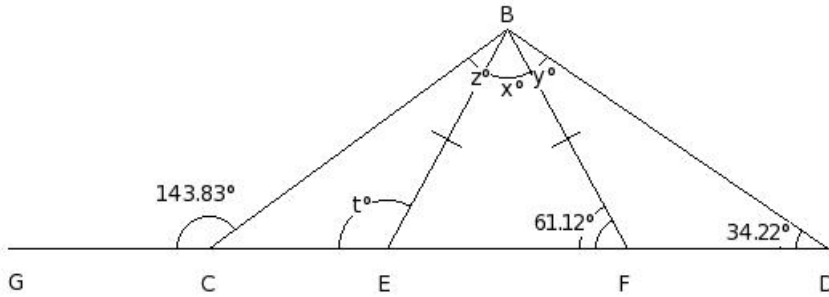
- (i) $x = 23^\circ$ (ii) $x = 26^\circ$ (iii) $x = 24^\circ$
(iv) $x = 22^\circ$ (v) $x = 25^\circ$

53. In the given figure, if $LI = JL$ and $IM = MK$, find the value of x .



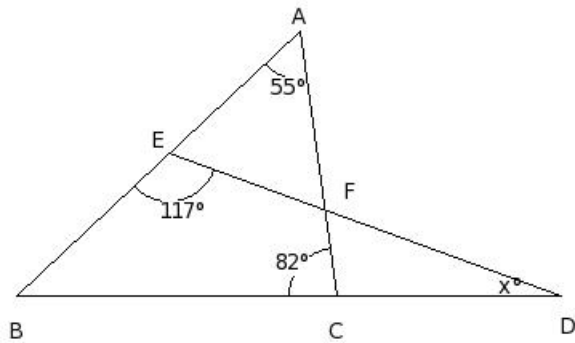
- (i) $x = 60.8^\circ$ (ii) $x = 59.8^\circ$ (iii) $x = 58.8^\circ$
 (iv) $x = 57.8^\circ$ (v) $x = 61.8^\circ$

54. In the given figure, if $BE = FB$, find the values of x , y , z and t



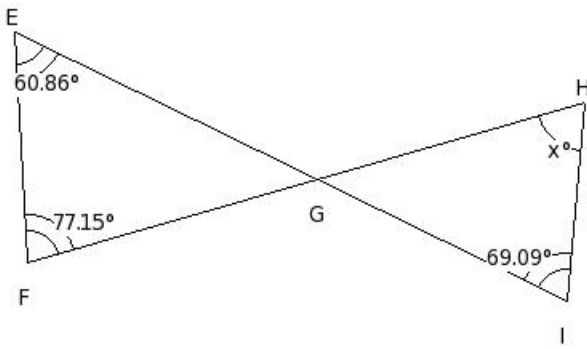
- (i) $x = 57.76^\circ$, $y = 26.9^\circ$, $z = 23.95^\circ$, $t = 117.88^\circ$
 (ii) $x = 57.76^\circ$, $y = 28.9^\circ$, $z = 26.95^\circ$, $t = 118.88^\circ$
 (iii) $x = 57.76^\circ$, $y = 26.9^\circ$, $z = 24.95^\circ$, $t = 118.88^\circ$
 (iv) $x = 57.76^\circ$, $y = 26.9^\circ$, $z = 25.95^\circ$, $t = 119.88^\circ$
 (v) $x = 57.76^\circ$, $y = 24.9^\circ$, $z = 22.95^\circ$, $t = 118.88^\circ$

55. In the given figure, calculate the value of x .



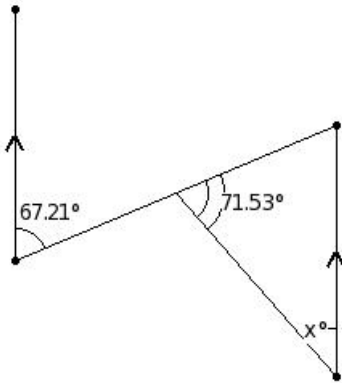
- (i) $x = 20^\circ$ (ii) $x = 22^\circ$ (iii) $x = 18^\circ$
 (iv) $x = 19^\circ$ (v) $x = 21^\circ$

56. In the given figure, calculate the value of x .



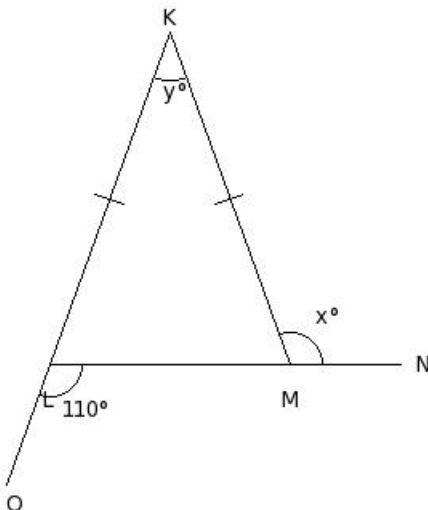
- (i) $x = 70.92^\circ$ (ii) $x = 66.92^\circ$ (iii) $x = 68.92^\circ$
 (iv) $x = 69.92^\circ$ (v) $x = 67.92^\circ$

57. In the given figure, calculate the value of x .



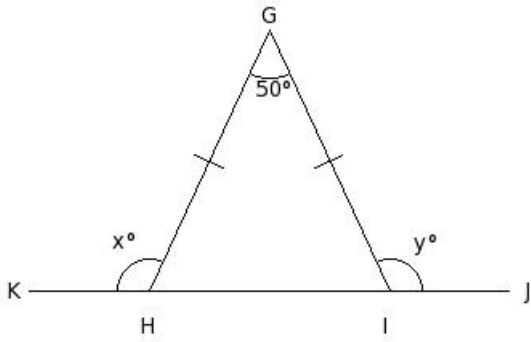
- (i) $x = 40.26^\circ$ (ii) $x = 43.26^\circ$ (iii) $x = 42.26^\circ$
 (iv) $x = 39.26^\circ$ (v) $x = 41.26^\circ$

58. Find the unknown marked angles in the following figure



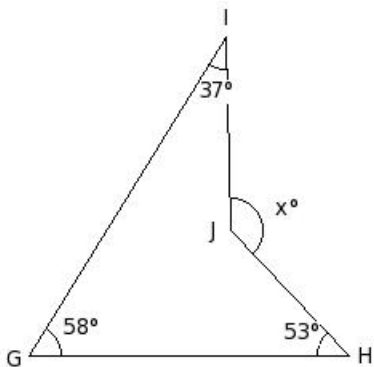
- (i) $x = 110^\circ$, $y = 40^\circ$ (ii) $x = 112^\circ$, $y = 42^\circ$ (iii) $x = 108^\circ$, $y = 38^\circ$
 (iv) $x = 109^\circ$, $y = 39^\circ$ (v) $x = 111^\circ$, $y = 41^\circ$

59. Find the unknown marked angles in the following figure



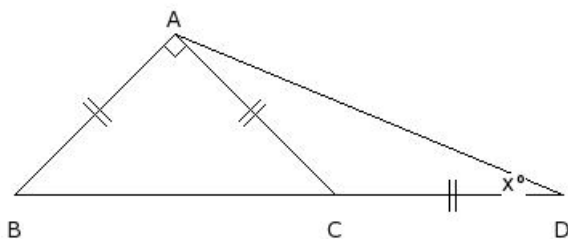
- (i) $x = 113^\circ$, $y = 113^\circ$
- (ii) $x = 114^\circ$, $y = 114^\circ$
- (iii) $x = 116^\circ$, $y = 116^\circ$
- (iv) $x = 115^\circ$, $y = 115^\circ$
- (v) $x = 117^\circ$, $y = 117^\circ$

60. In the given figure, calculate the value of x .



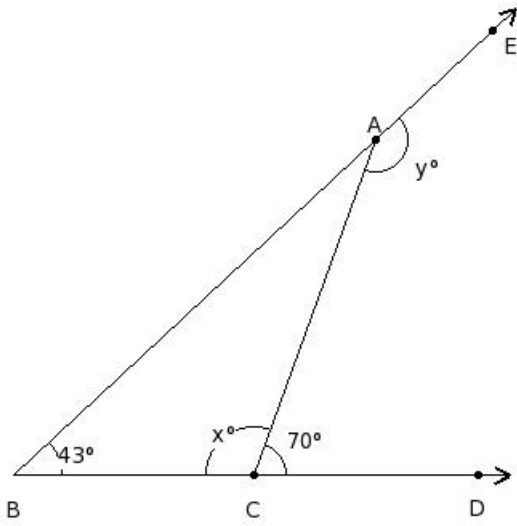
- (i) $x = 150^\circ$ (ii) $x = 146^\circ$ (iii) $x = 147^\circ$
- (iv) $x = 149^\circ$ (v) $x = 148^\circ$

61. In the given figure, calculate the value of x .



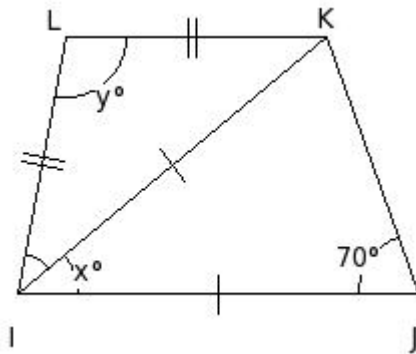
- (i) $x = 23.5^\circ$ (ii) $x = 21.5^\circ$ (iii) $x = 22.5^\circ$
- (iv) $x = 24.5^\circ$ (v) $x = 20.5^\circ$

62. Find the unknown marked angles in the following figure



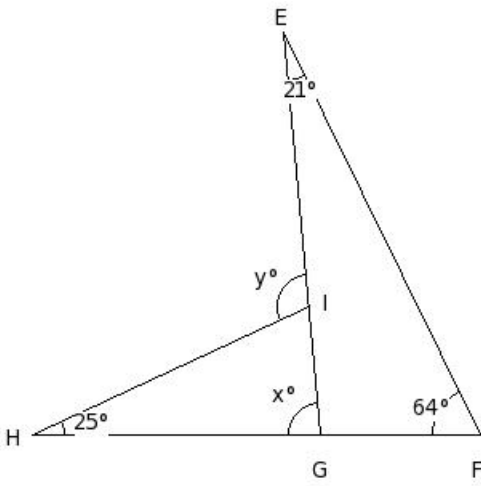
- (i) $x = 112^\circ$, $y = 155^\circ$
- (ii) $x = 110^\circ$, $y = 153^\circ$
- (iii) $x = 109^\circ$, $y = 152^\circ$
- (iv) $x = 111^\circ$, $y = 154^\circ$
- (v) $x = 108^\circ$, $y = 151^\circ$

63. In the following figure $IJ \parallel LK$, find the values of x and y .



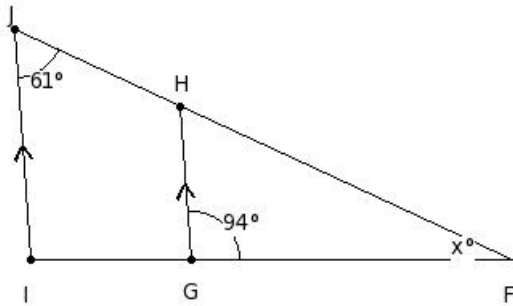
- (i) $x = 39^\circ$, $y = 99^\circ$
- (ii) $x = 41^\circ$, $y = 101^\circ$
- (iii) $x = 42^\circ$, $y = 102^\circ$
- (iv) $x = 40^\circ$, $y = 100^\circ$
- (v) $x = 38^\circ$, $y = 98^\circ$

64. Find the unknown marked angles in the following figure



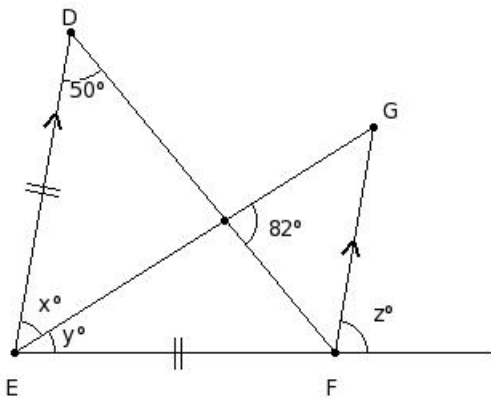
- (i) $x = 84^\circ$, $y = 109^\circ$
- (ii) $x = 85^\circ$, $y = 110^\circ$
- (iii) $x = 86^\circ$, $y = 111^\circ$
- (iv) $x = 83^\circ$, $y = 108^\circ$
- (v) $x = 87^\circ$, $y = 112^\circ$

65. In the given figure, it is given that $HG \parallel JI$, $\angle HJI = 61^\circ$ and $\angle HGF = 94^\circ$. Find the value of x .



- (i) $x = 27^\circ$ (ii) $x = 26^\circ$ (iii) $x = 24^\circ$
- (iv) $x = 23^\circ$ (v) $x = 25^\circ$

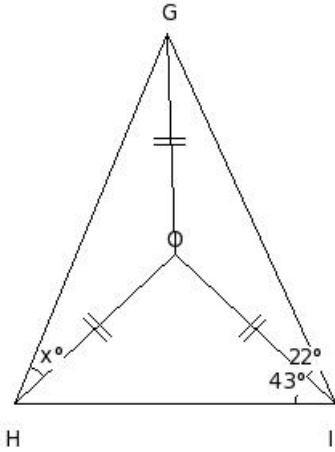
66. In the given figure, find the values of x , y and z .



- (i) $x = 48^\circ$, $y = 32^\circ$, $z = 80^\circ$
- (ii) $x = 46^\circ$, $y = 32^\circ$, $z = 82^\circ$
- (iii) $x = 48^\circ$, $y = 30^\circ$, $z = 82^\circ$
- (iv) $x = 50^\circ$, $y = 32^\circ$, $z = 78^\circ$
- (v)

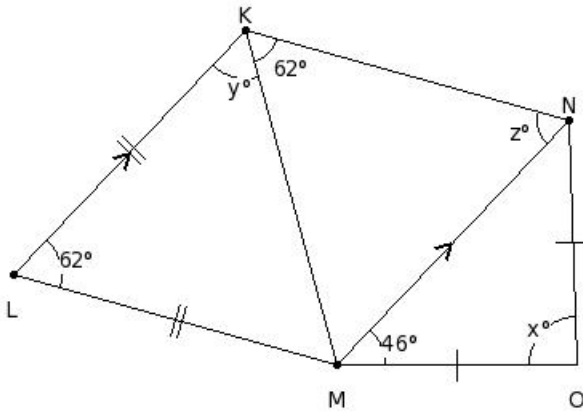
$$x = 46^\circ, y = 34^\circ, z = 80^\circ$$

67. Find the value of x in the given figure.



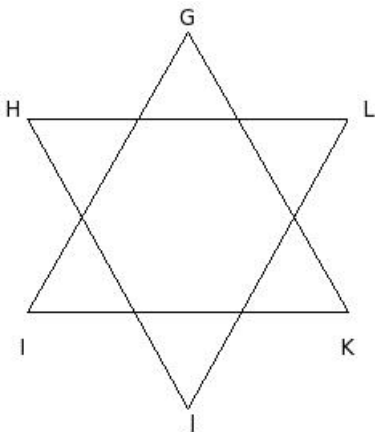
- (i) $x = 26^\circ$ (ii) $x = 23^\circ$ (iii) $x = 24^\circ$
 (iv) $x = 22^\circ$ (v) $x = 25^\circ$

68. In the given figure, find the values of x, y and z .



- (i) $x = 88^\circ, y = 57^\circ, z = 64^\circ$
 (ii) $x = 88^\circ, y = 59^\circ, z = 62^\circ$
 (iii) $x = 90^\circ, y = 59^\circ, z = 60^\circ$
 (iv) $x = 86^\circ, y = 61^\circ, z = 62^\circ$
 (v) $x = 86^\circ, y = 59^\circ, z = 64^\circ$

69. In the given two equilateral triangles, find $\angle G + \angle I + \angle K + \angle H + \angle J + \angle L$.



(i) 361° (ii) 362° (iii) 359° (iv) 360° (v) 358°

70. In a right angled triangle, if one of the angles is 40.91° , find the third angle

(i) 49.09° (ii) 54.09° (iii) 59.09° (iv) 79.09° (v) 64.09°

71. In a right angled triangle, if one of the angles is 42.27° , find the third angle

(i) 57.73° (ii) 62.73° (iii) 52.73° (iv) 47.73° (v) 77.73°

Assignment Key

- 1) (iv)
- 2) (ii)
- 3) (ii)
- 4) (i)
- 5) (i)
- 6) (v)
- 7) (v)
- 8) (v)
- 9) (i)
- 10) (i)
- 11) (v)
- 12) (i)
- 13) (v)
- 14) (iii)
- 15) (i)
- 16) (ii)
- 17) (iii)
- 18) (ii)
- 19) (iv)
- 20) (iii)
- 21) (ii)
- 22) (iii)
- 23) (i)
- 24) (ii)
- 25) (i)
- 26) (iii)
- 27) (ii)
- 28) (iii)
- 29) (ii)
- 30) (v)
- 31) (iii)
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- 33) (iii)
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- 35) (ii)
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- 37) (ii)
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- 40) (i)
- 41) (iii)
- 42) (v)
- 43) (ii)
- 44) (i)
- 45) (i)
- 46) (i)
- 47) (i)
- 48) (v)
- 49) (v)
- 50) (iii)
- 51) (iv)
- 52) (iii)
- 53) (ii)
- 54) (iii)
- 55) (i)

- 56) (iii)
- 57) (v)
- 58) (i)
- 59) (iv)
- 60) (v)
- 61) (iii)
- 62) (ii)
- 63) (iv)
- 64) (ii)
- 65) (v)
- 66) (i)
- 67) (iii)
- 68) (ii)
- 69) (iv)
- 70) (i)
- 71) (iv)