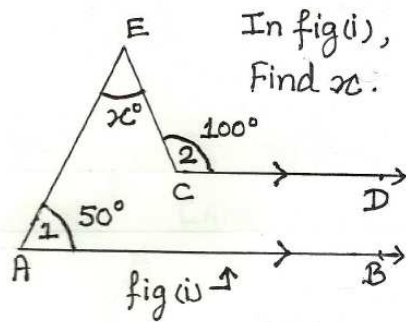


CLASS: IX. MATHS. ASSIGNMENT: 4 CHAPTER: LINES AND ANGLES.

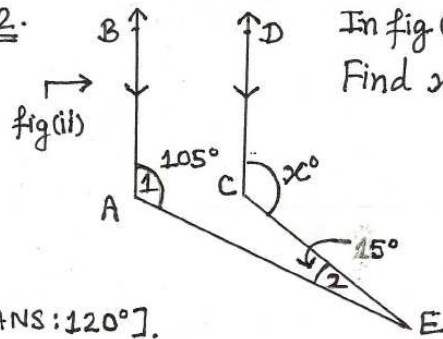
Q1.



In fig(i),
Find x .

[ANS: 50°].

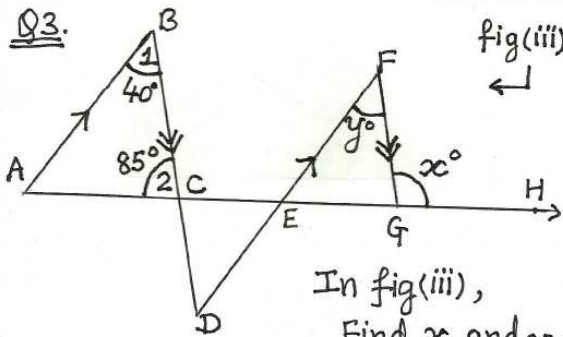
Q2.



In fig(ii),
Find x .

[ANS: 120°].

Q3.

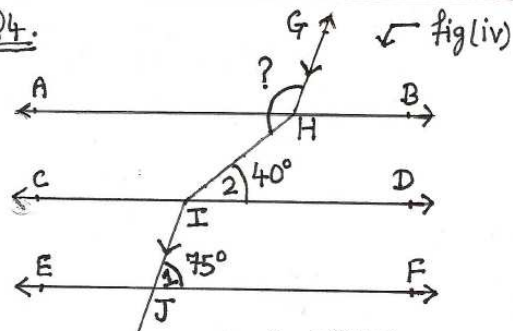


fig(iii)

In fig(iii),
Find x and y .

[ANS: $95^\circ, 40^\circ$].

Q4.

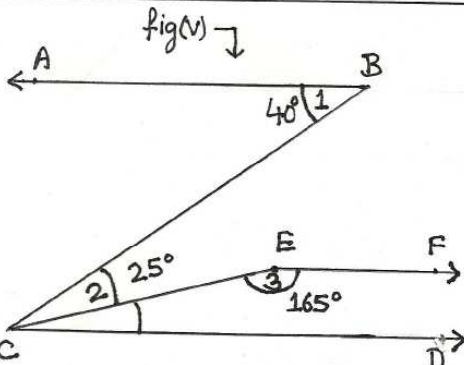


fig(iv)

Find $\angle GHI$.

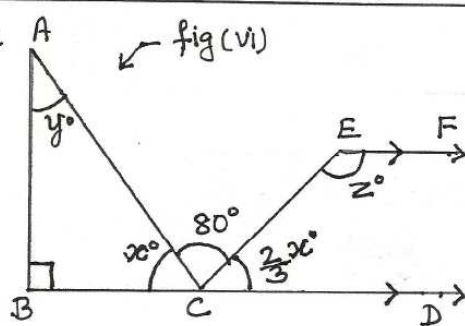
[ANS: 145°].

Q5.



In fig(v), $EF \parallel CD$. Prove $AB \parallel CD$.

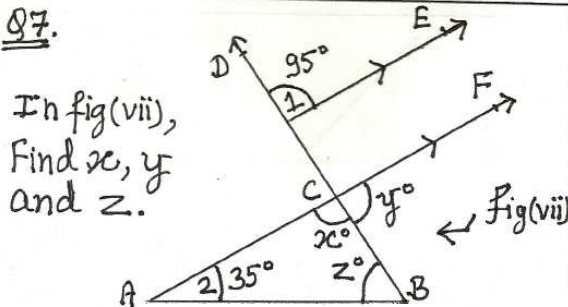
Q6.



Find x, y and z .

[ANS: $60^\circ, 30^\circ, 140^\circ$].

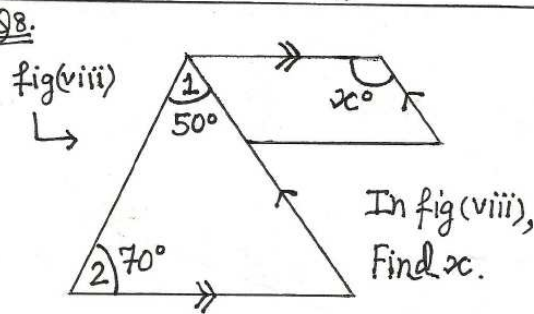
Q7.



In fig(vii),
Find x, y
and z .

[ANS: $95^\circ, 85^\circ, 50^\circ$].

Q8.



In fig(viii),
Find x .

[ANS: 120°].

Q9.
 fig(ix) → In fig (ix), Find x, y and z .

[ANS: $38^\circ, 52^\circ, 142^\circ$]

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Q10.
 fig(x) → In fig (x), Find x, y .

[ANS: $52^\circ, 60^\circ$].

Q11.
 fig(xi) → In fig (xi), Find x and y .

[ANS: $35^\circ, 119^\circ$].

Q12.
 fig(xii) → In fig (xii), Find x .

[ANS: 35°].

Q13.
 fig(xiii) → In fig (xiii), Find x and y .

[ANS: $50^\circ, 40^\circ$].

Q14.
 In fig (xiv), Find x, y and z .

[ANS: $55^\circ, 125^\circ, 105^\circ$].

Q15.
 In fig (xv), Find x .

[ANS: 60°].

Q16.
 In fig (xvi), $AB = AC$. Find x and y .

[ANS: $34^\circ, 70^\circ$].

Q17.
 In fig (xvii), Find x and y .

[ANS: $40^\circ, 44^\circ$].

Q18.
 In fig (xviii), Find x .

[ANS: 115°]

The Ends.