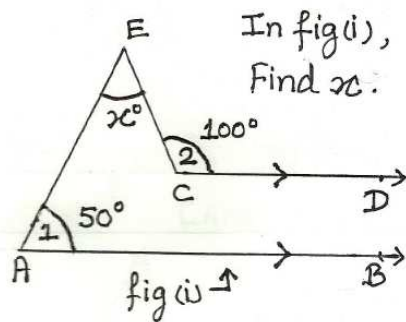


CLASS: IX. MATHS. ASSIGNMENT: 4 CHAPTER: LINES AND ANGLES.

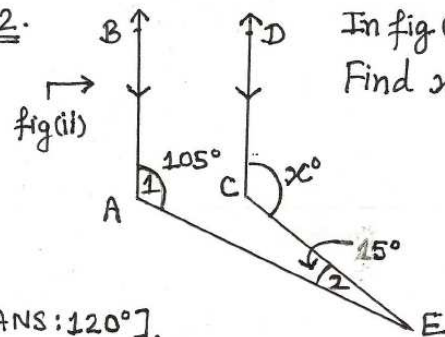
Q1.



In fig(i),
Find x .

[ANS: 50°].

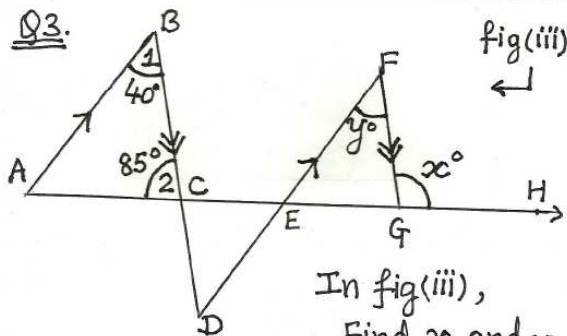
Q2.



In fig(ii),
Find x .

[ANS: 120°].

Q3.

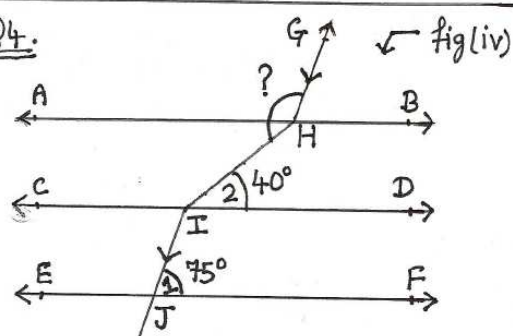


fig(iii)

In fig(iii),
Find x and y .

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

Q4.

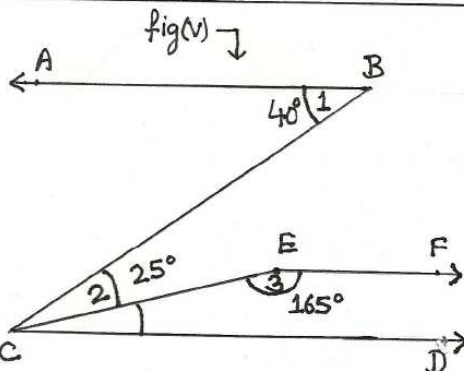


fig(iv)

Find $\angle GHI$.

[ANS: 145°].

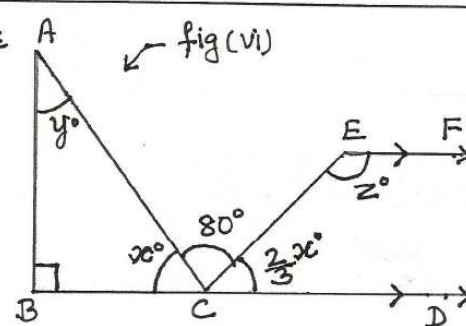
Q5.



fig(v)

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

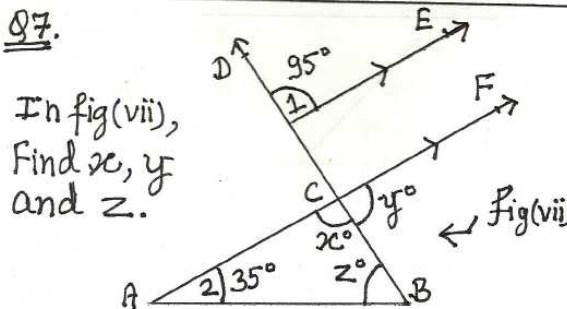
Q6.



Find x, y and z .

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

Q7.

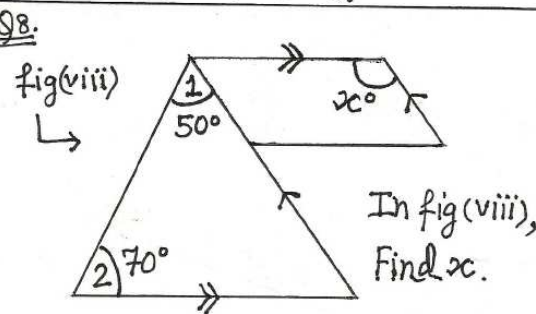


In fig(vii),
Find x, y
and z .

fig(vii)

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

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

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

Q15.
In fig(xv), Find x .

[ANS: 60°]

Q16.
fig(xvi) → 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.
fig(xviii) → In fig(xviii), Find x .

[ANS: 115°]

The End.