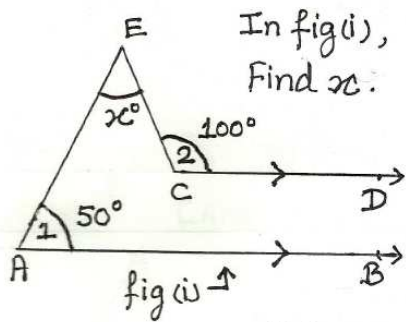


CLASS: IX. MATHS. ASSIGNMENT: 4 CHAPTER: LINES AND ANGLES.

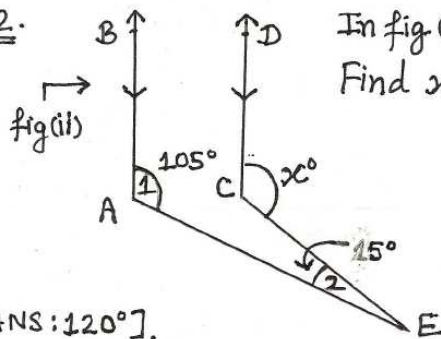
Q1.



In fig(i),  
Find  $x$ .

[ANS:  $50^\circ$ ].

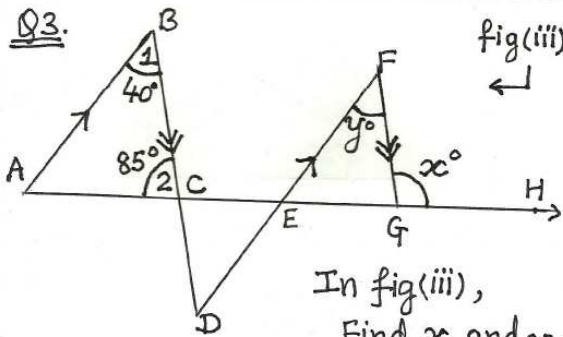
Q2.



In fig(ii),  
Find  $x$ .

[ANS:  $120^\circ$ ].

Q3.

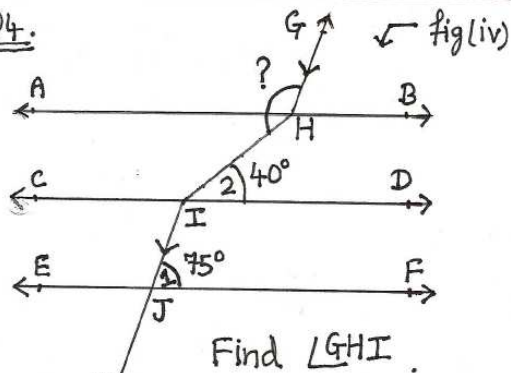


fig(iii)

In fig(iii),  
Find  $x$  and  $y$ .

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

Q4.

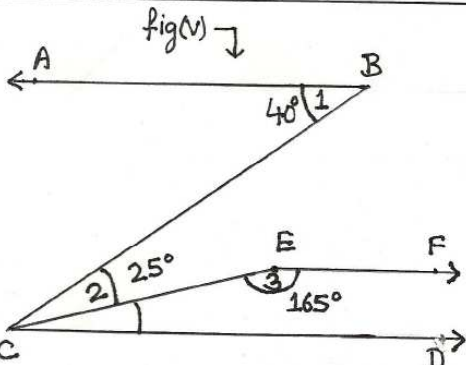


fig(iv)

Find  $\angle GHI$ .

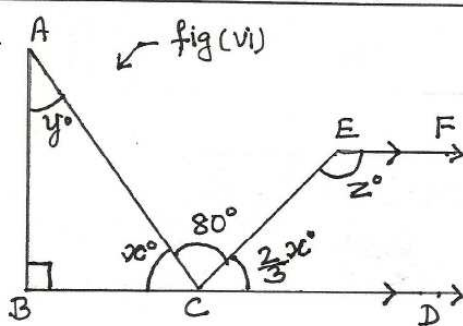
[ANS:  $145^\circ$ ].

Q5.



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

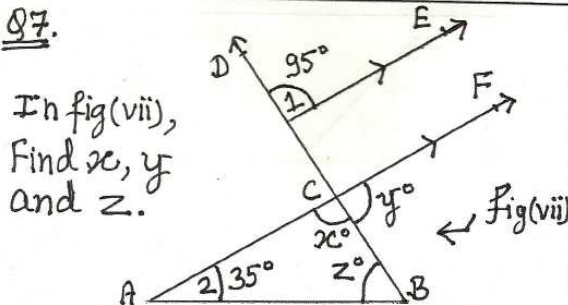
Q6.



Find  $x, y$  and  $z$ .

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

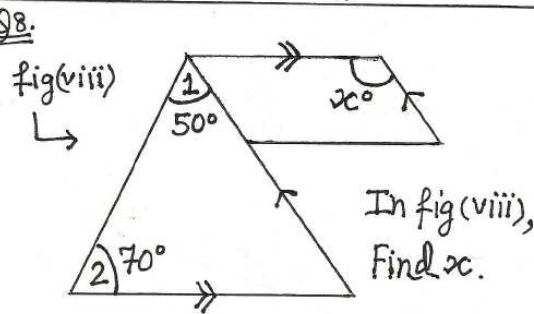
Q7.



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

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

Q8.



In fig(viii),  
Find  $x$ .

[ANS:  $120^\circ$ ].

<p><u>Q9.</u> fig(ix) →</p> <p>In fig (ix), Find <math>x</math>, <math>y</math> and <math>z</math>.</p> <p>[ANS: <math>38^\circ, 52^\circ, 142^\circ</math>]</p>	<p style="text-align: right;"><u>PAGE 2.</u></p> <p><u>Q10.</u> fig(x) →</p> <p>In fig (x), Find <math>x</math>, <math>y</math>.</p> <p>[ANS: <math>52^\circ, 60^\circ</math>].</p>
<p><u>Q11.</u> fig(xi) →</p> <p>In fig (xi), Find <math>x</math> and <math>y</math>.</p> <p>[ANS: <math>35^\circ, 119^\circ</math>].</p>	<p><u>Q12.</u> fig(xii) →</p> <p>In fig (xii), Find <math>x</math>.</p> <p>[ANS: <math>35^\circ</math>].</p>
<p><u>Q13.</u> fig(xiii) →</p> <p>In fig (xiii), Find <math>x</math> and <math>y</math>.</p> <p>[ANS: <math>50^\circ, 40^\circ</math>].</p>	<p><u>Q14.</u> fig(xiv) →</p> <p>In fig (xiv), Find <math>x</math>, <math>y</math> and <math>z</math>.</p> <p>[ANS: <math>55^\circ, 125^\circ, 105^\circ</math>].</p>
<p><u>Q15.</u> In fig (xv), Find <math>x</math>.</p> <p>[ANS: <math>60^\circ</math>].</p>	<p><u>Q16.</u> fig(xvi) →</p> <p>In fig (xvi), <math>AB = AC</math>. Find <math>x</math> and <math>y</math>.</p> <p>[ANS: <math>34^\circ, 70^\circ</math>].</p>
<p><u>Q17.</u> In fig (xvii), Find <math>x</math> and <math>y</math>.</p> <p>[ANS: <math>40^\circ, 44^\circ</math>].</p>	<p><u>Q18.</u> fig(xviii) →</p> <p>In fig (xviii), Find <math>x</math>.</p> <p>[ANS: <math>115^\circ</math>]</p> <p style="text-align: right;"><b>The Ends.</b></p>