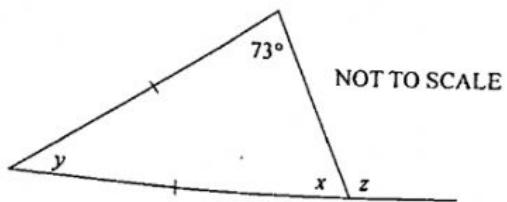


12. Calculate the size of

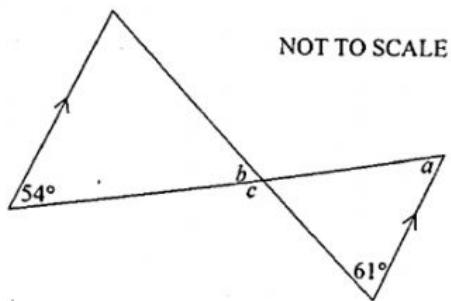


(a) (i) angle  $x$ ,

(ii) angle  $y$ , Answer: \_\_\_\_\_ ° [1]

(iii) angle  $z$ , Answer: \_\_\_\_\_ ° [1]

Answer: \_\_\_\_\_ ° [1]



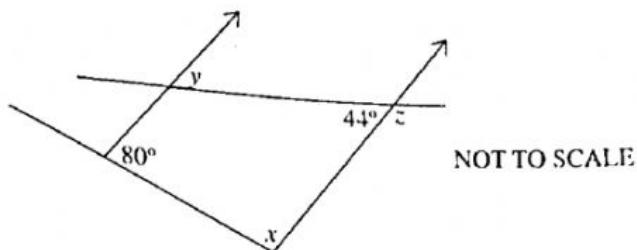
(b) (i) angle  $a$ ,

(ii) angle  $b$ , Answer: \_\_\_\_\_ ° [1]

(iii) angle  $c$ , Answer: \_\_\_\_\_ ° [1]

Answer: \_\_\_\_\_ ° [1]

19.



- (a) (i) angle  $x$ ,

Answer: \_\_\_\_\_ ° [1]

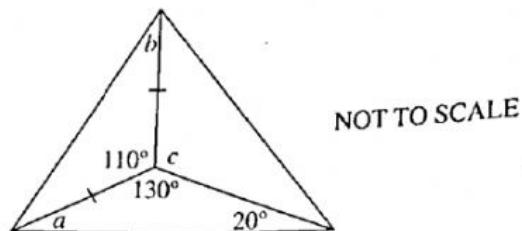
- (ii) angle  $y$ ,

Answer: \_\_\_\_\_ ° [1]

- (iii) angle  $z$ .

Answer: \_\_\_\_\_ ° [1]

18. Calculate the size of



- (a) (i) angle  $a$ ,

Answer: \_\_\_\_\_ ° [1]

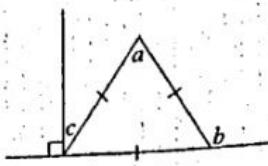
- (ii) angle  $b$ ,

Answer: \_\_\_\_\_ ° [1]

- (iii) angle  $c$ .

Answer: \_\_\_\_\_ ° [1]

15. Calculate the size of



NOT TO  
SCALE

- (a) (i) angle  $a$ ,

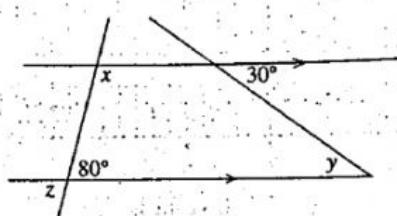
Answer: \_\_\_\_\_ ° [1]

- (ii) angle  $b$ ,

Answer: \_\_\_\_\_ ° [1]

- (iii) angle  $c$ .

Answer: \_\_\_\_\_ ° [1]



NOT TO  
SCALE

- (b) (i) angle  $x$ ,

Answer: \_\_\_\_\_ ° [1]

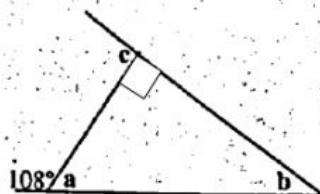
- (ii) angle  $y$ ,

Answer: \_\_\_\_\_ ° [1]

- (iii) angle  $z$ .

Answer: \_\_\_\_\_ ° [1]

15.



NOT TO SCALE

(a) From the diagram above, calculate the size of angle

- (i) a,

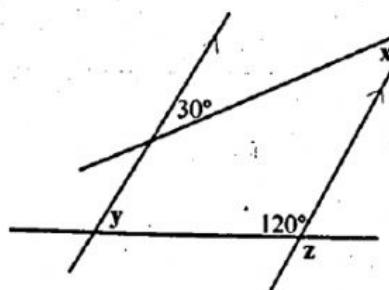
Answer \_\_\_\_\_ [1]

- (ii) b,

Answer \_\_\_\_\_ [1]

- (iii) c.

Answer \_\_\_\_\_ [1]



NOT TO SCALE

(b) Calculate the size of angle

- (i) x,

Answer \_\_\_\_\_ [1]

- (ii) y,

Answer \_\_\_\_\_ [1]

- (iii) z.

Answer \_\_\_\_\_ [1]