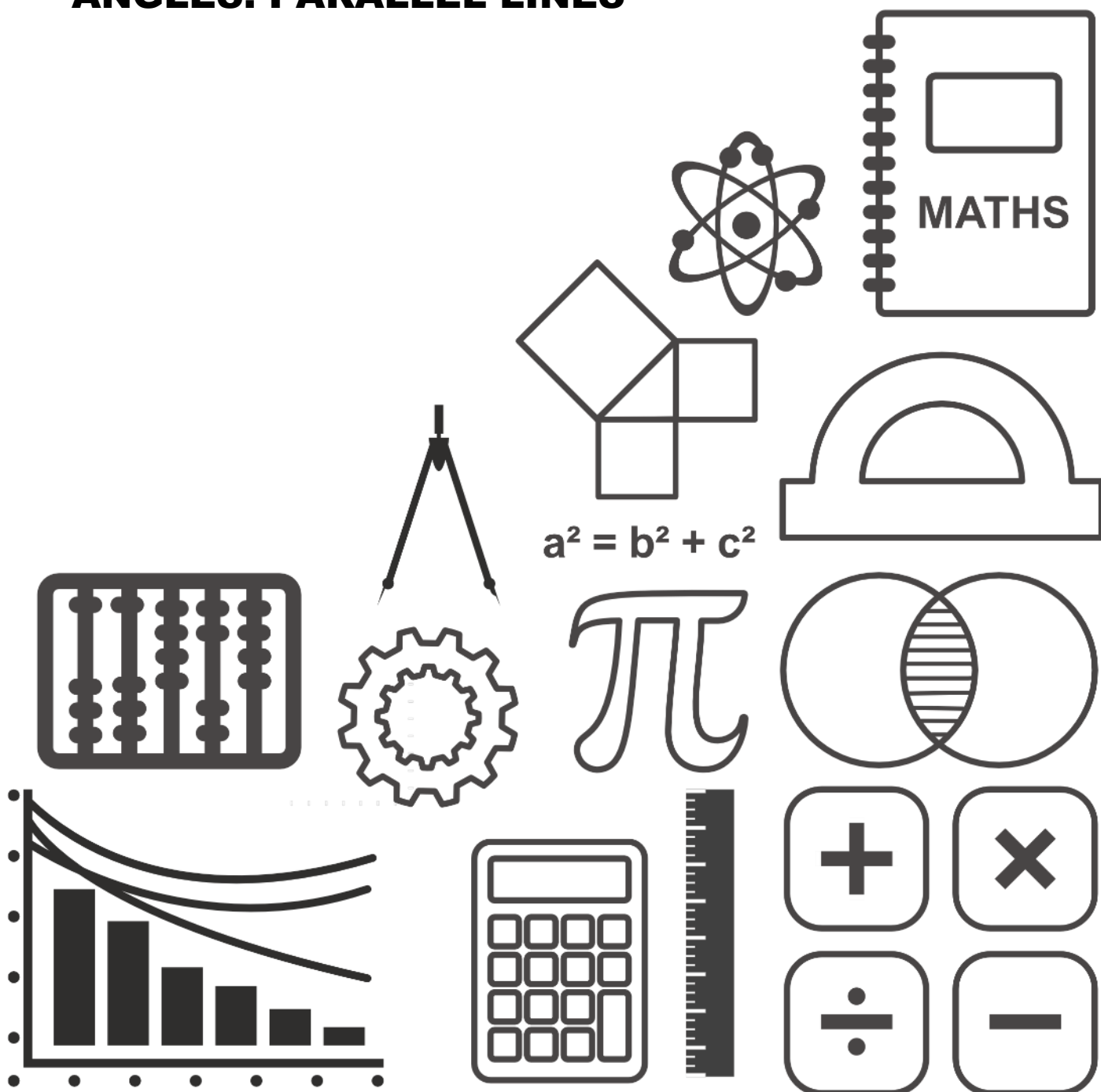
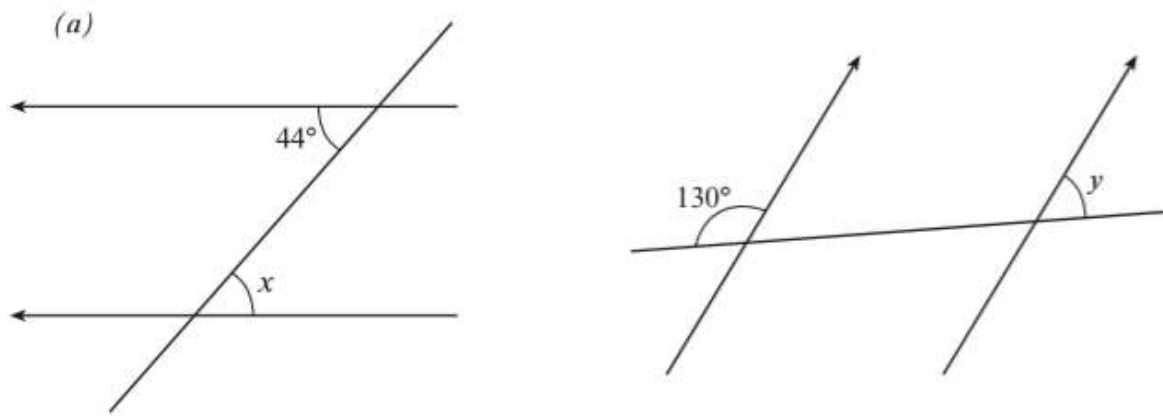


MATHSDIY

GCSE TOPIC BOOKLET ANGLES: PARALLEL LINES



1.



Diagrams not drawn to scale.

Find the size of each of the angles x and y .

.....

.....

.....

$x = \dots\dots\dots^\circ$ $y = \dots\dots\dots^\circ$

[3]

2.

Write down the size of the angles marked a and b in the diagram.

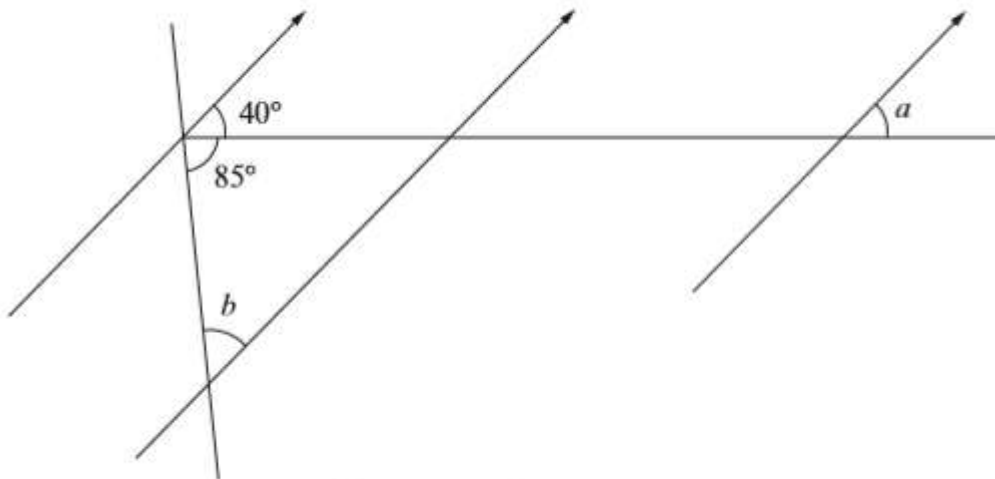


Diagram not drawn to scale

.....

.....

.....

$a = \dots\dots\dots^\circ$ $b = \dots\dots\dots^\circ$

[3]

3. Find the size of each of the angles marked p and q .

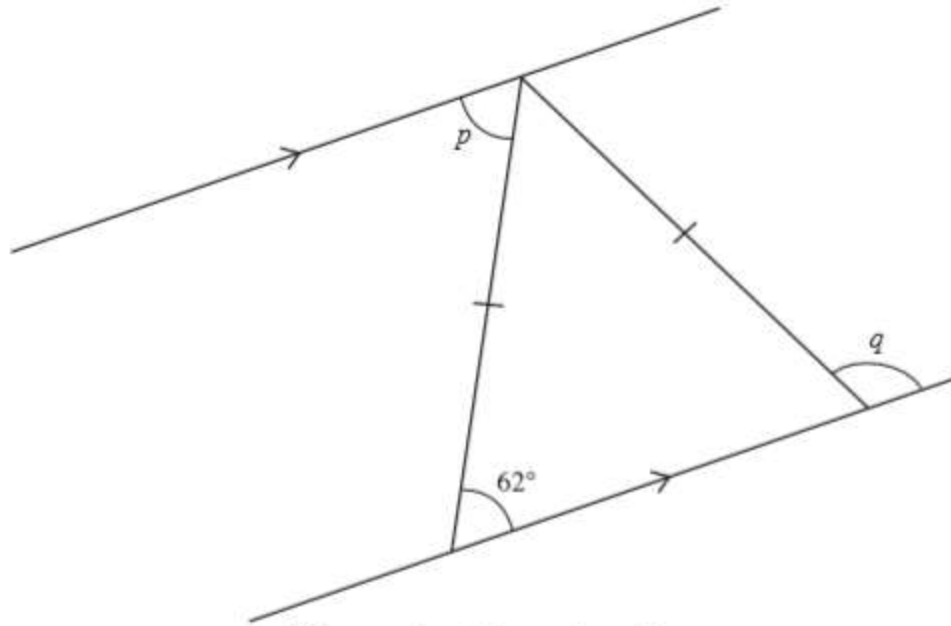


Diagram is not drawn to scale.

.....

.....

.....

$p =$ $q =$ [3]

4.

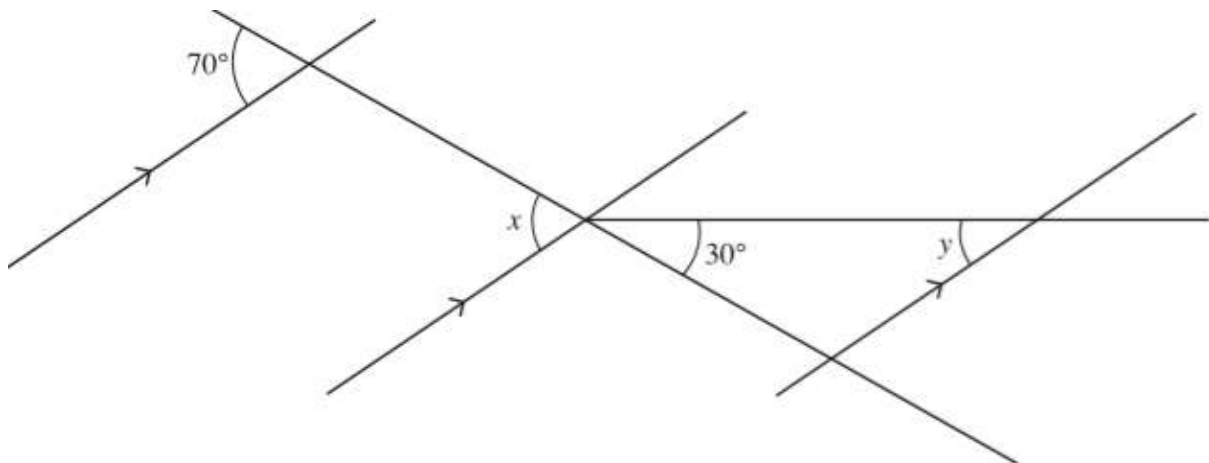


Diagram not drawn to scale.

Find the sizes of the angles marked x and y .

.....

.....

$x =$ $^{\circ}$ $y =$ $^{\circ}$

[3]

5. Calculate the size of **each** of the angles marked x , y and z in the diagram below.

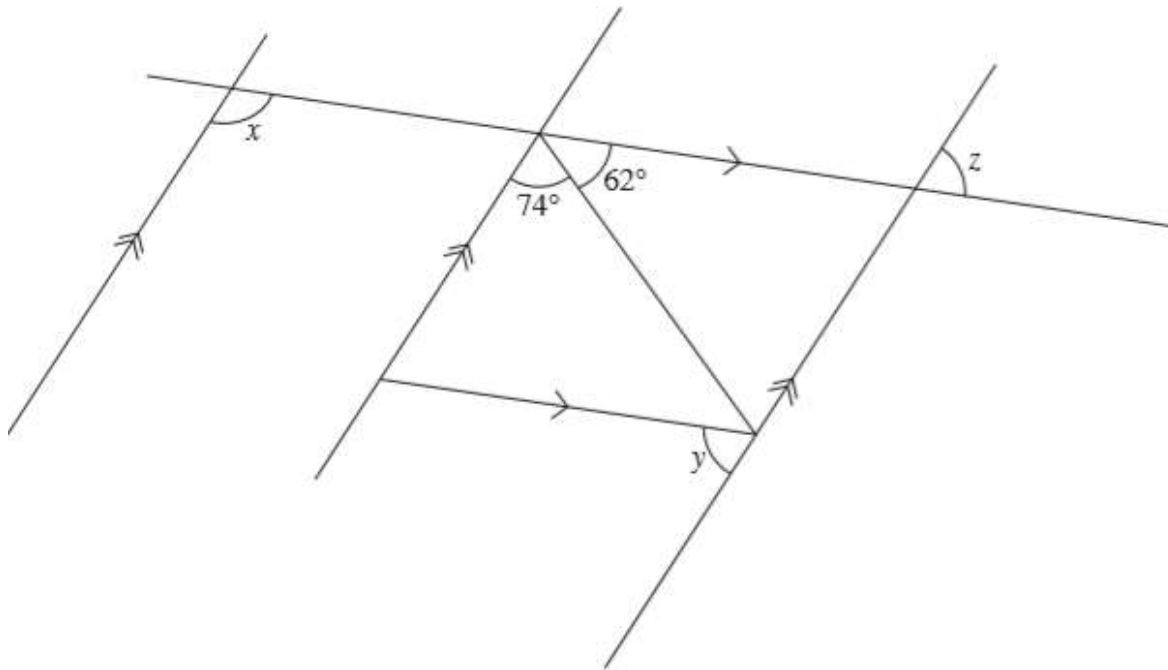


Diagram not drawn to scale.

.....
x =

.....

.....
y =

.....
z =

[4]

6. Calculate the size of each of the angles marked x , y and z in the diagram below.

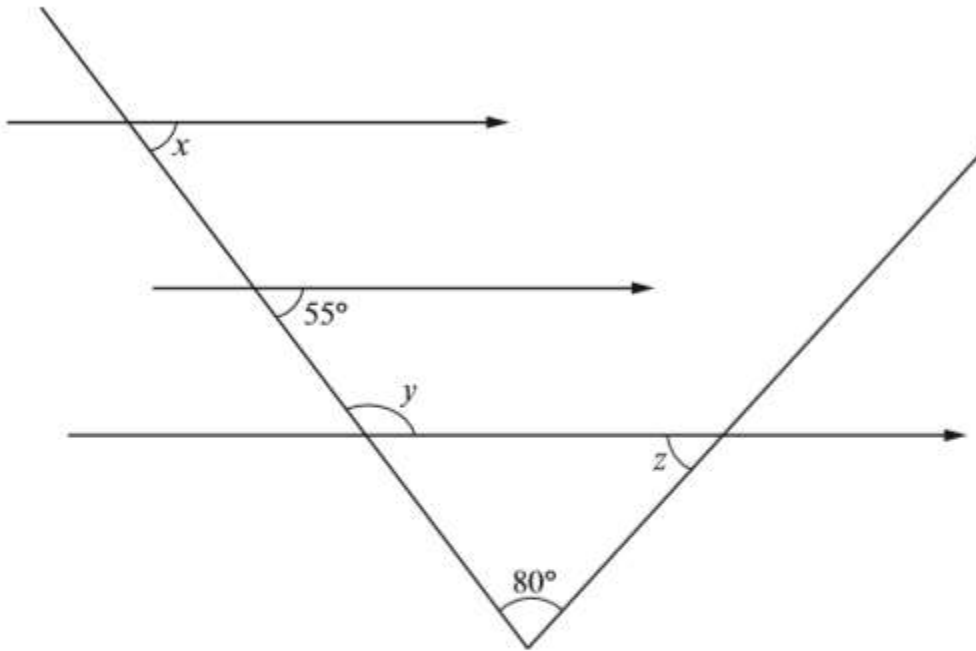


Diagram not drawn to scale

.....

.....

.....

.....

$x = \dots\dots\dots^\circ$ $y = \dots\dots\dots^\circ$ $z = \dots\dots\dots^\circ$

[4]

7.

The diagram shows three parallel lines and another line that crosses the parallel lines. Find the angles marked a , b , c and d .

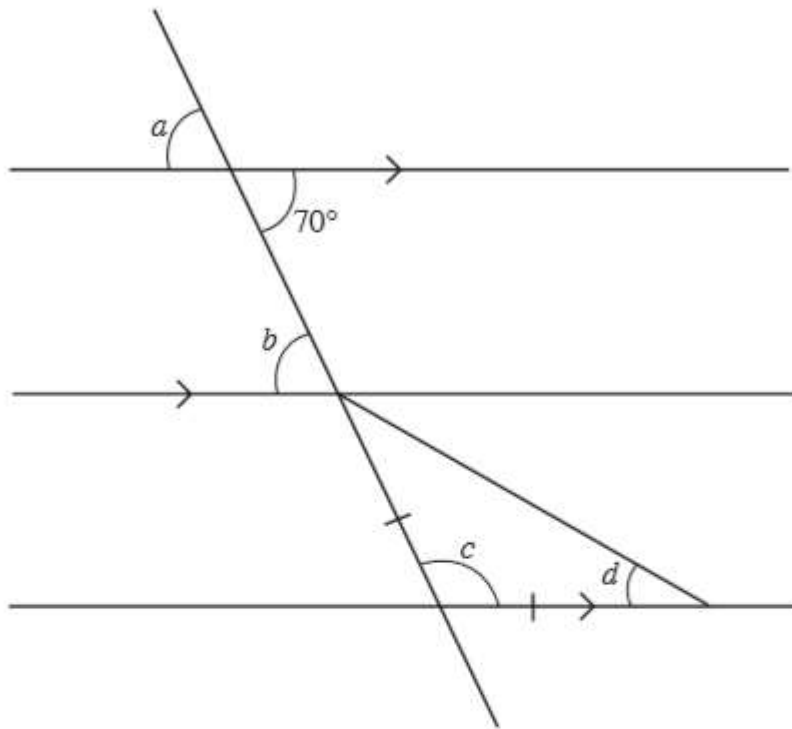


Diagram not drawn to scale.

.....

.....

.....

.....

$a = \dots\dots\dots^\circ$ $b = \dots\dots\dots^\circ$ $c = \dots\dots\dots^\circ$ $d = \dots\dots\dots^\circ$

[4]

8.

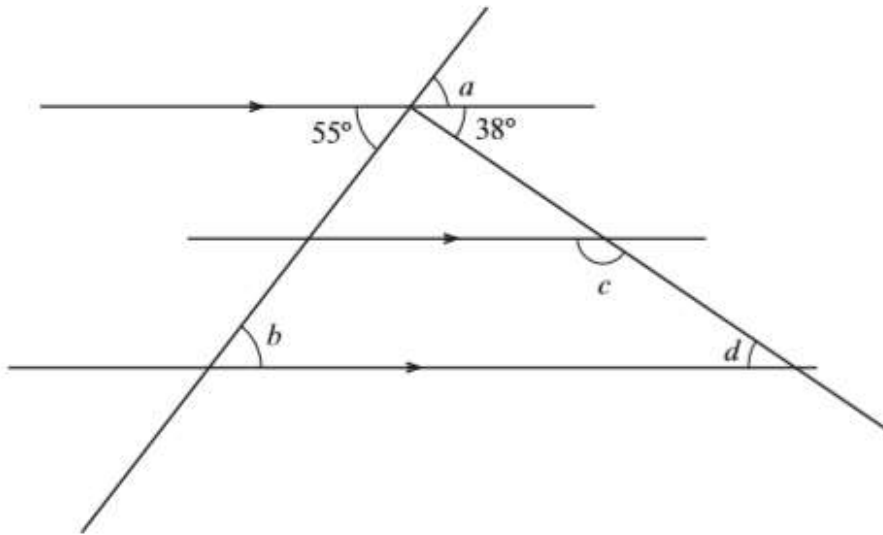


Diagram not drawn to scale

Find the size of each of the angles marked a , b , c and d .

.....

.....

.....

.....

.....

.....

$a = \dots\dots\dots^\circ$ $b = \dots\dots\dots^\circ$ $c = \dots\dots\dots^\circ$ $d = \dots\dots\dots^\circ$ [4]

9.

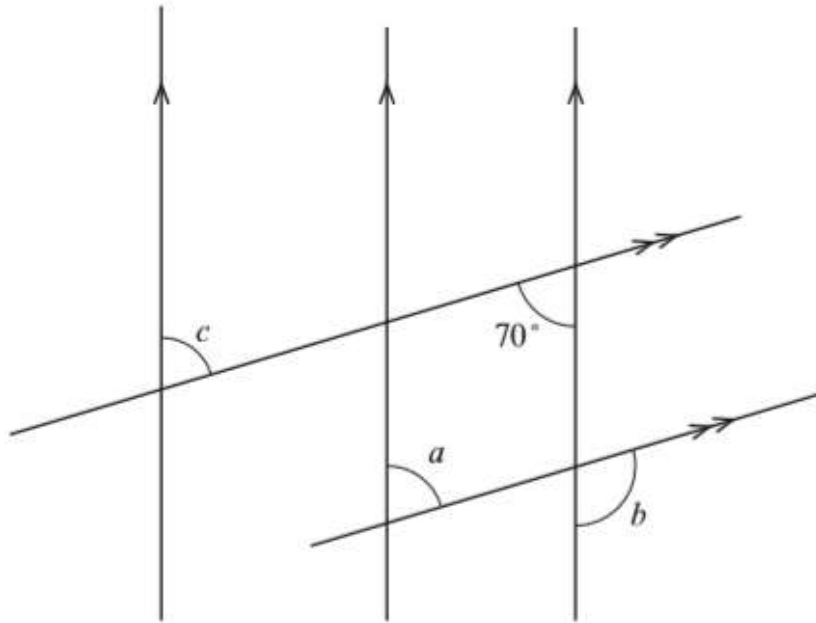


Diagram not drawn to scale

Find the size of each of the angles marked a , b and c .

.....

.....

.....

.....

.....

$a = \dots\dots\dots^\circ$ $b = \dots\dots\dots^\circ$ $c = \dots\dots\dots^\circ$

[3]

10. Calculate the size of each of the angles marked x , y and z in the diagram below.

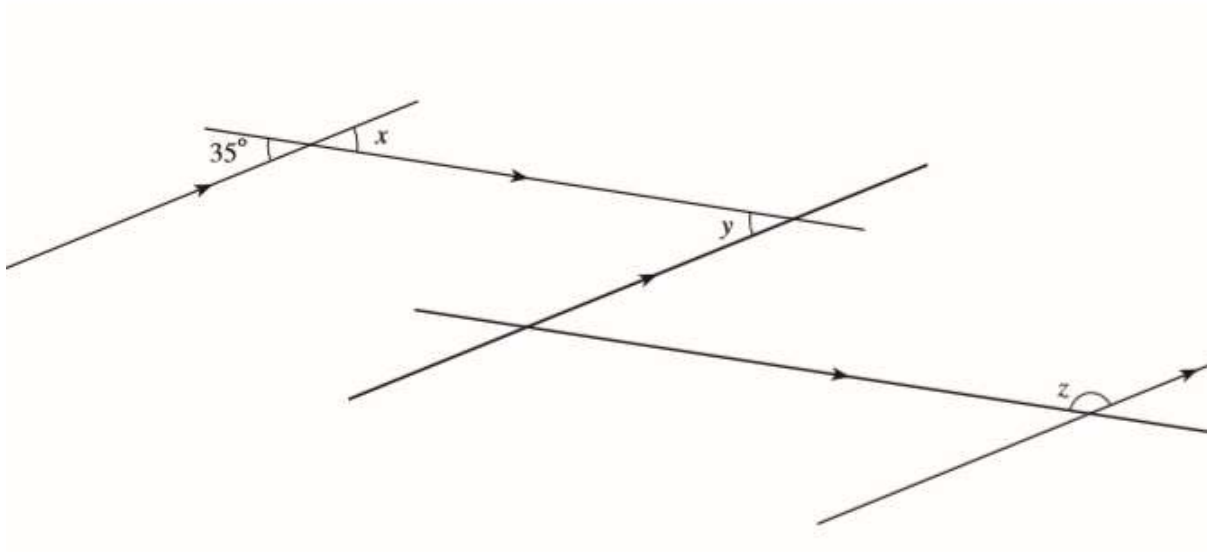


Diagram not drawn to scale.

.....

.....

.....

.....

$x = \text{.....}^\circ \quad y = \text{.....}^\circ \quad z = \text{.....}^\circ$

[3]

11.

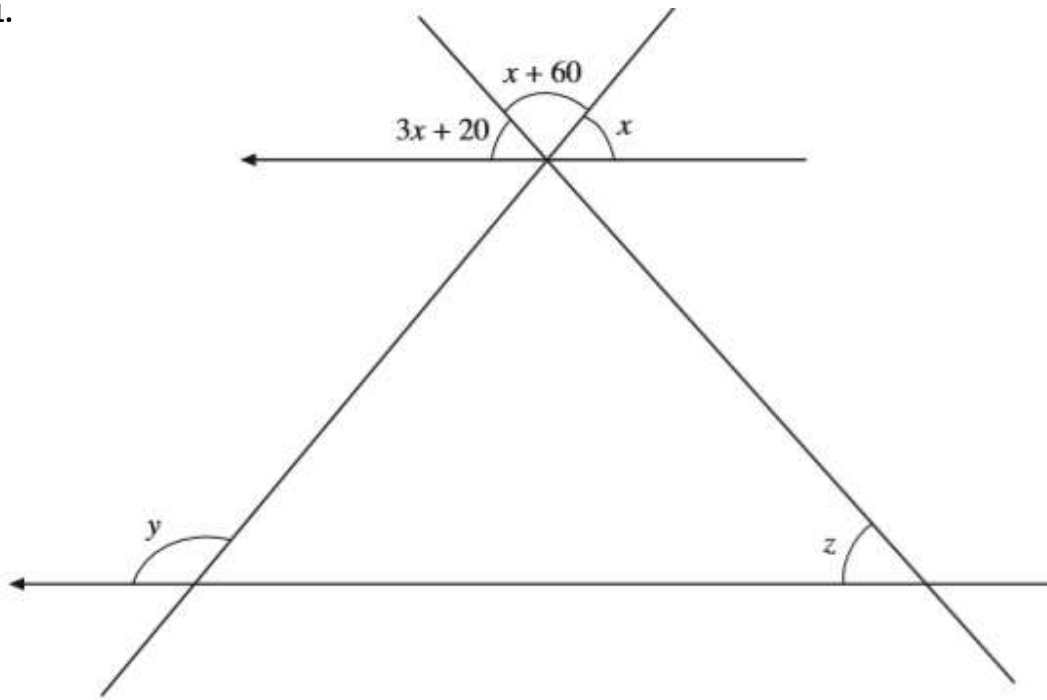


Diagram not drawn to scale.

All angles are measured in degrees.
Find the size of angles x , y and z .

.....

.....

.....

.....

.....

.....

.....

.....

$x =$, $y =$, $z =$

[5]