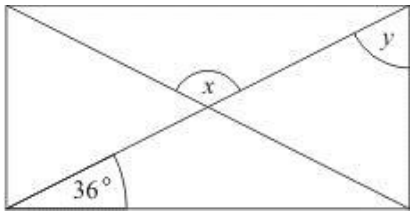
Q1.

The diagram shows a rectangle.



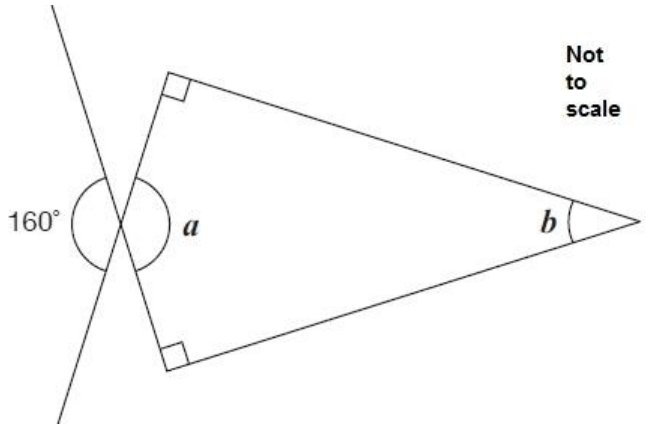
Calculate angles x and y.

$x =$

$y =$

Q2.

Calculate the size of angles a and b in this diagram.

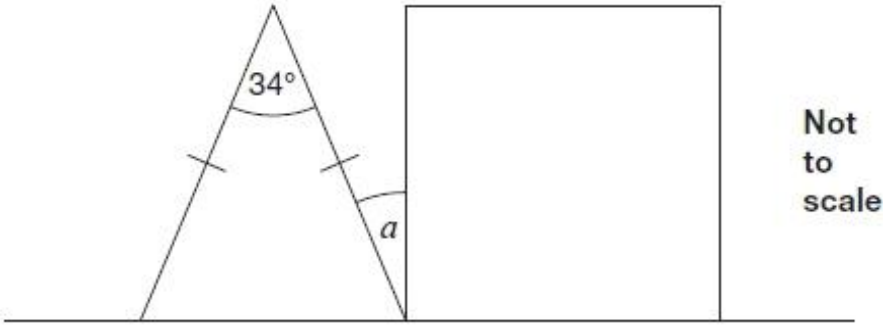


$a =$ °

$b =$ °

Q3.

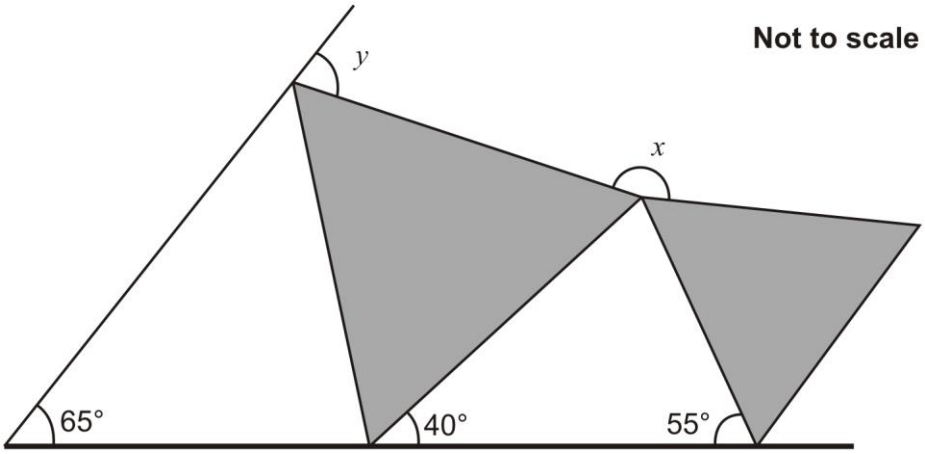
The diagram shows an isosceles triangle and a square on a straight line.



Calculate angle α.

Q4.

The diagram shows two shaded **equilateral triangles**.



Calculate the size of the **angle x°** and **angle y**

Do **not** use a protractor (angle measurer).

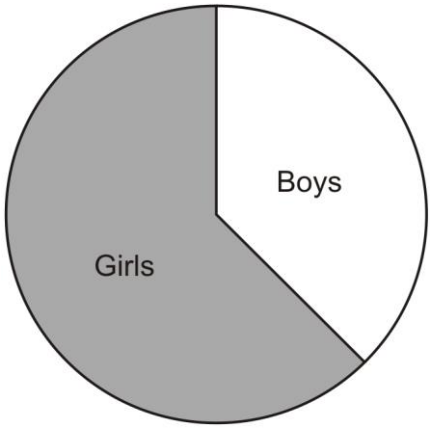
x = ____ °

y = ____ °

Q5.

Sarah makes a pie chart to show the proportion of boys and girls in her class.

	Number in class	Size of angle on pie chart
Boys	14	144°
Girls	21	216°



The next day another **boy** joins Sarah's class.

She makes a new pie chart.

Calculate the angle for **boys** on the new pie chart.