1.

(i) Work out the value of x. $x = $ . . . .

(ii) Give a reason for your answer

. . . .

2.
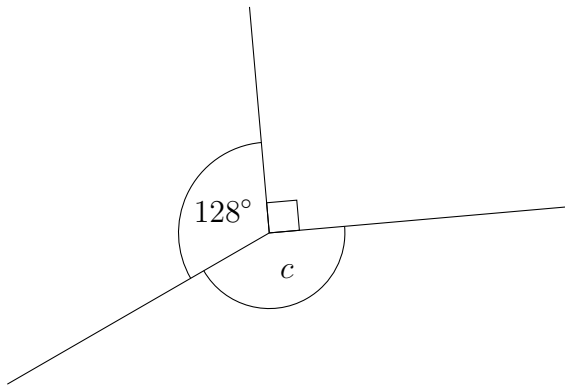
(i) Work out the size of the angle marked c.   . . . .$^{\circ}$

(ii) Give a reason for your answer

. . . .

3.
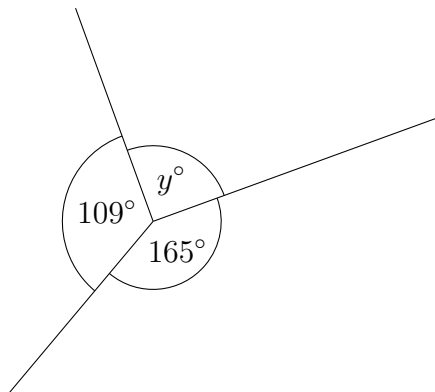
(i) Work out the value of y. $y = $ . . . .

(ii) Give a reason for your answer

. . . .

Please turn over for more questions and answers

4. (a)   (b)
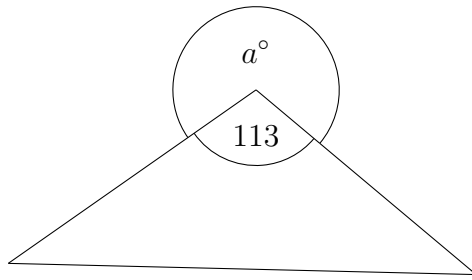
(i) Work out the value of a.   (ii) Work out the value of b.
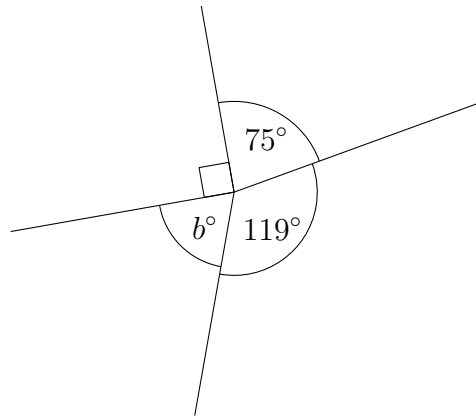
$a = \ldots \ldots \ldots$ $b = \ldots \ldots \ldots$

5.
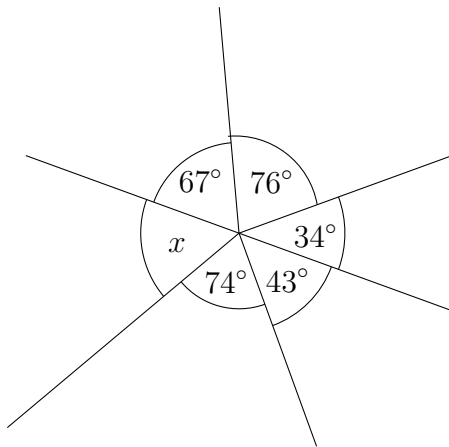
(i) Work out the size of the angle marked x.

$\ldots \ldots \ldots \ldots ^{\circ}$

(ii) Give a reason for your answer

....

....

TOP TIP for students.

The exam board always give you 2 answer lines for "Give a reason for your answer"

This is mean of them, because it tricks you into thinking you should fill up the space and so write down your workings out, rather than give the reason.

For these questions the reason is "The sum of all the angles around a point is 360 degrees" but a short way to write this is

angles ... point ... 360°

Answers   1i) 135,   2i) 142,   3i) 86,   4a) 247, b) 76,   5i) 66 ii) angles ... point ... 360°