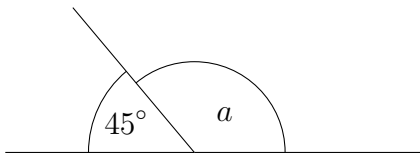


1.



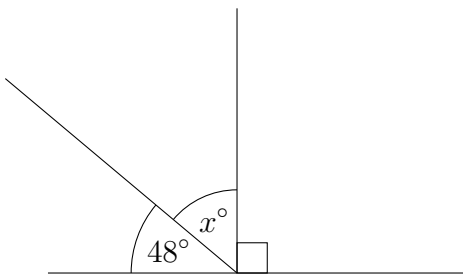
(i) Work out the size of the angle marked a.

.....°

(ii) Give a reason for your answer

.....
.....

2.



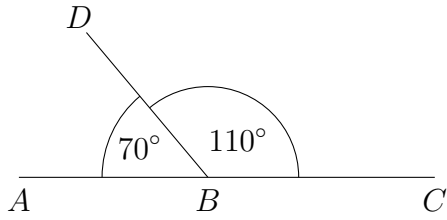
(i) Work out the value of x.

x =

(ii) Give a reason for your answer

.....
.....

3.



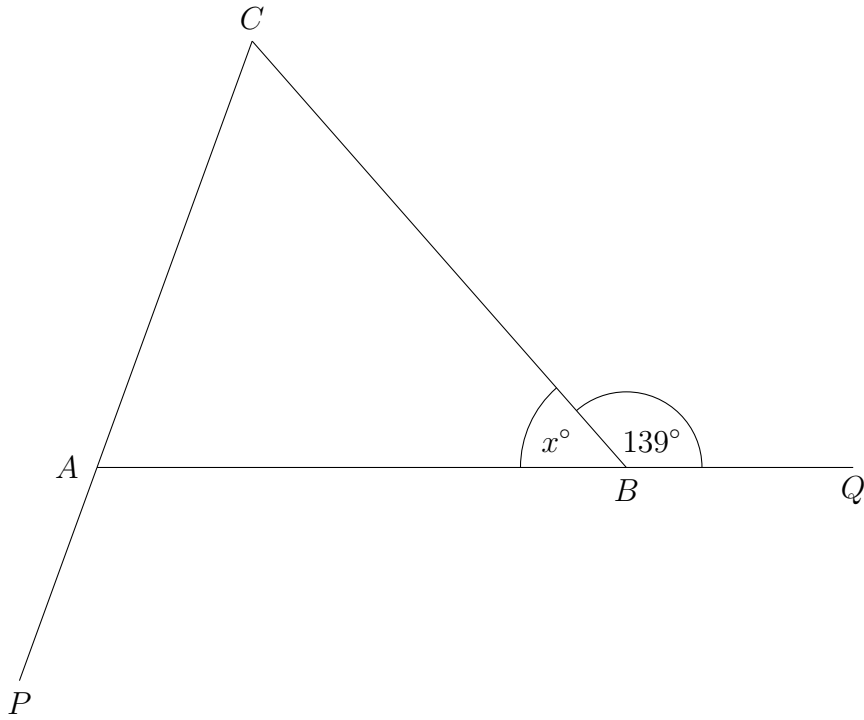
Is ABC a straight line?

Give a reason for your answer

.....

.....

4.



ABC is a triangle.

ABQ is a straight line.

CAP is a straight line.

(i) Work out the value of x.

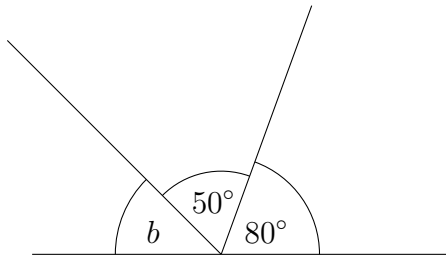
x =

(ii) Give a reason for your answer

.....

.....

5.



Name says “ $b = 70^\circ$ ”

Is he correct?

Give a reason for your answer

Yes or No

.....

.....

Answers

1. (i) 135° (ii) minimal acceptable wording: angles ... straight line ... 180
2. (i) $x = 41^\circ$ (ii) minimal acceptable wording: angles ... straight line ... 180
3. yes because $110 + 70 = 180$ and angles ... straight line ... 180
4. (i) $x = 38^\circ$ (ii) minimal acceptable wording: angles ... straight line ... 180
5. no because $80 + 50 + 70 = 200$ and angles ... straight line ... 180