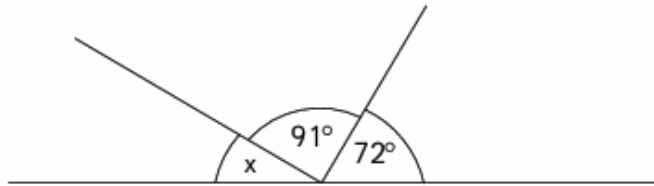


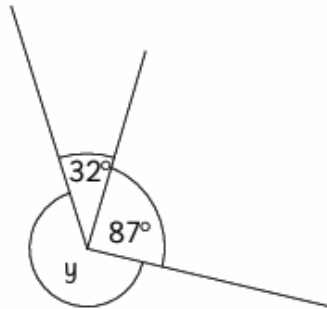
## Term 5 Week 1 Homework

1 This diagram shows angles on a straight line.



Calculate the size of angle  $x$ .

2 Look at the shape below.

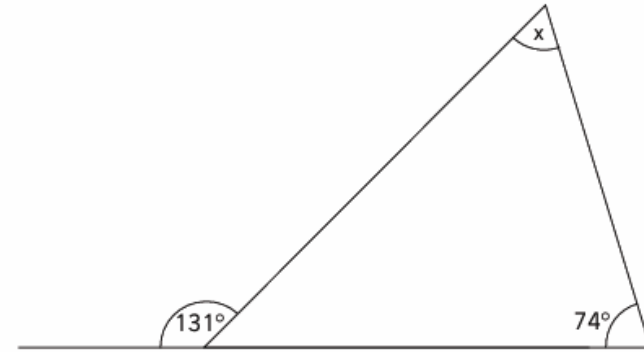


Calculate the size of angle  $y$ .

2 marks

3

Ben and Amy are working out the missing angle  $x$  in the diagram below.



Ben says, "The missing angle is  $49^\circ$ ."

Amy says, "The missing angle is  $57^\circ$ ."

Who is correct?

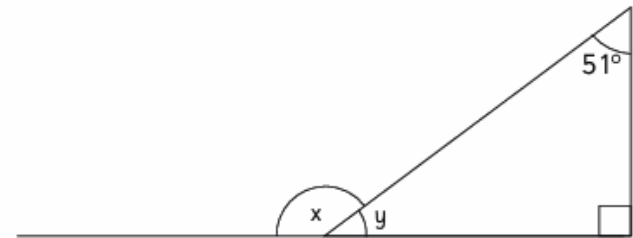
Ben / Amy

1 mark

Explain your answer.

4

This diagram shows a triangle on a straight line.



Calculate the size of angles  $x$  and  $y$ .

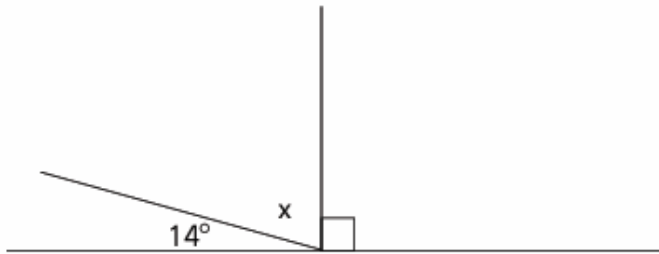
$$x = \text{[ ]}^\circ$$

1 mark

$$y = \text{[ ]}^\circ$$

1 mark

5 This diagram shows angles on a straight line.

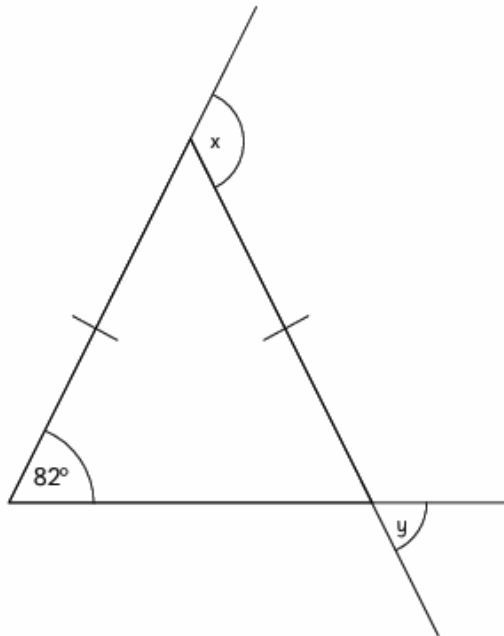


Calculate the size of angle  $x$ .



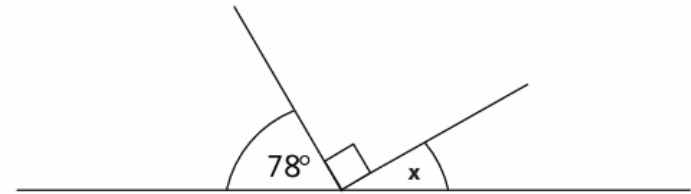
1 mark

6 Here is an isosceles triangle.



Calculate the size of angles  $x$  and  $y$ .

8 This diagram shows angles on a straight line.

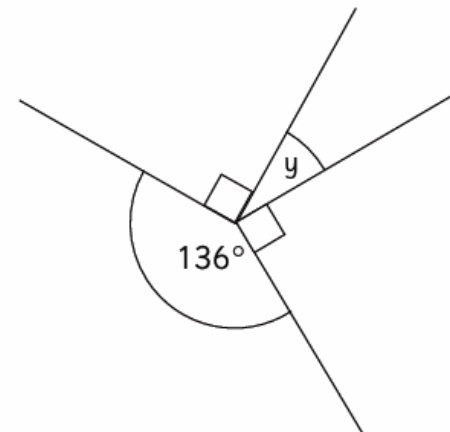


Calculate the size of angle  $x$ .



2 marks

9 Look at the shape below.



Calculate the size of angle  $y$ .