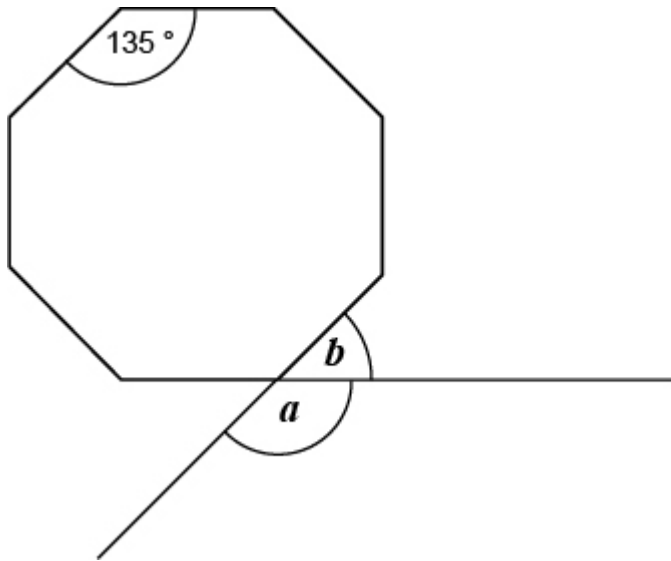


1.

Here is a regular octagon.



Calculate the sizes of angles ***a*** and ***b***

a =

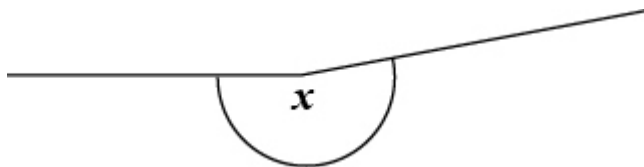
1 mark

b =

1 mark

2.

Estimate the size of angle ***x***



Circle the closest estimate.

170°

310°

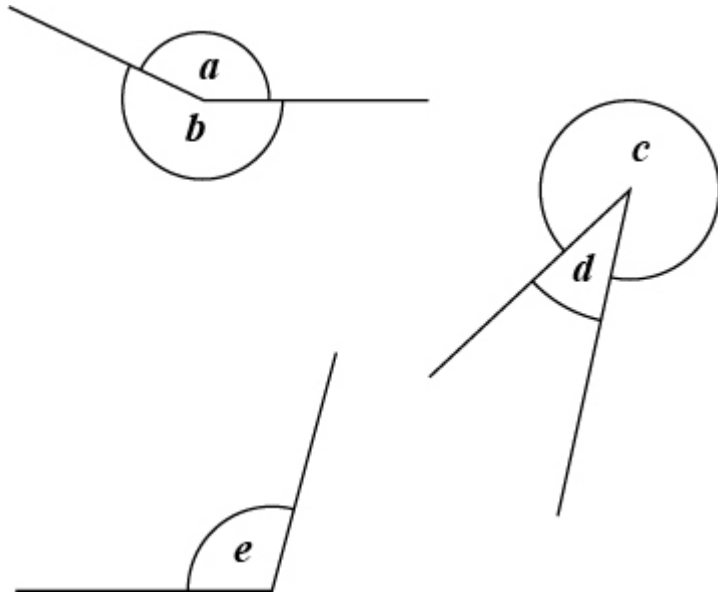
190°

260°

180°

1 mark

3. Look at angles ***a***, ***b***, ***c***, ***d*** and ***e***



Write the angles in order of size, starting with the smallest.

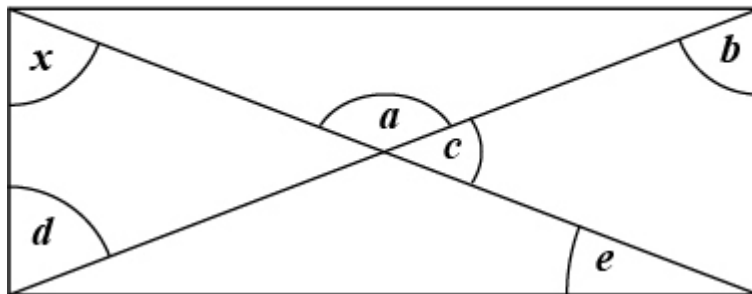
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smallest

1 mark

4. This is a rectangle with its two diagonals.

not drawn accurately



Angle $x = 58^\circ$

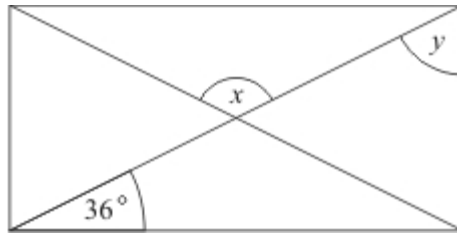
Circle the **two** angles that are the same size as angle *x*

a ***b*** ***c*** ***d*** ***e***

1 mark

5.

The diagram shows a rectangle.



Calculate angles x and y .

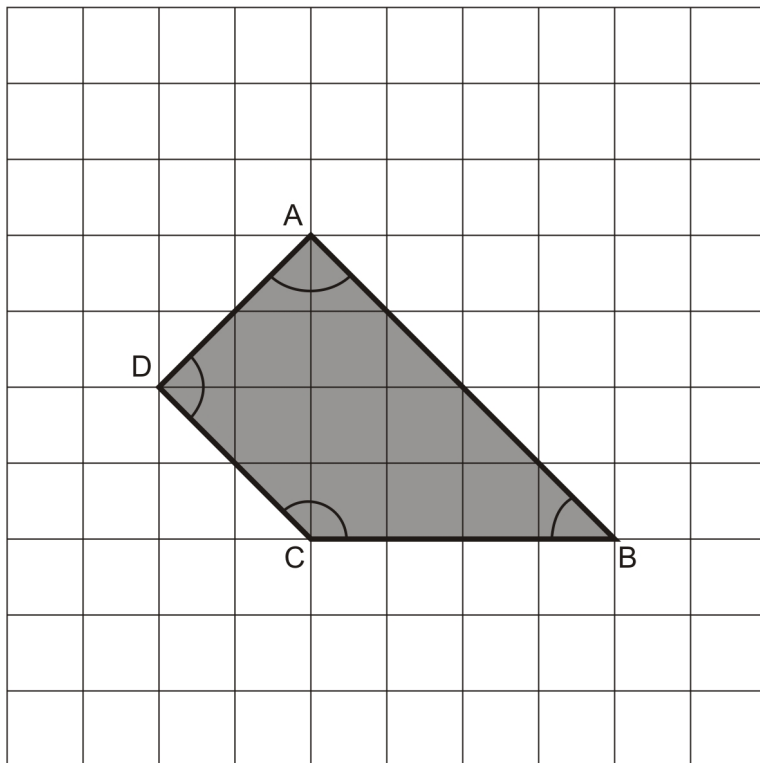
$x =$

$y =$

2 marks

6.

Here is a shape on a square grid.



For each sentence, put a tick (✓) if it is true.

Put a cross (X) if it is not true.

Angle **C** is an **obtuse** angle.

☐

Angle **D** is an **acute** angle.

☐

Line **AD** is **parallel** to line **BC**.

☐

Line **AB** is **perpendicular** to line **AD**.

☐

2 mark