



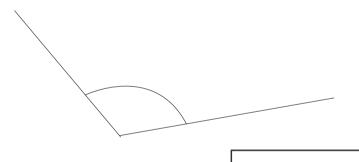
How many **degrees** does the hour hand on a clock turn between 3pm and 9pm?

180

0

1 mark

Measure the angle below using a protractor. Give your answer in degrees.

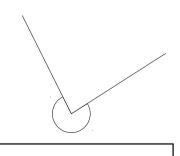


120

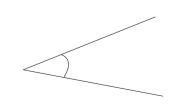
1 mark

Acute Obtuse Reflex Right

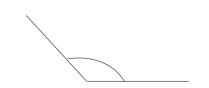
Use the words above to write the correct name for each angle.



Reflex

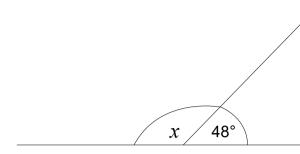


Acute



Obtuse

### Find the size of the missing angle in this diagram.



Angles on a straight line add to 180 degrees

$$x = 132$$
 °

1 mark

### Find the size of the missing angle in this diagram.

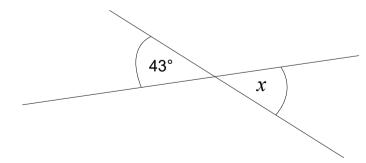
$$360 - 221 = 139$$

Angles around a point add to 360 degrees

$$\chi = 139$$
 °

1 mark

## Find the size of the missing angle in this diagram.



131°

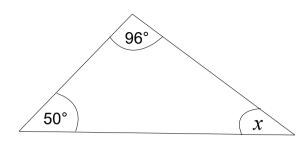
Vertically opposite angles are equal

$$\chi = 43$$
 °

1 mark

#### 7

### Find the size of the missing angle in this diagram.



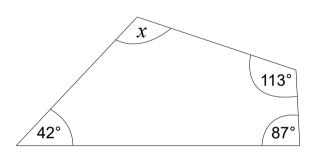
Angles in a triangle add to 180 degrees

$$50 + 96 = 146$$

$$\chi = 34$$
 °

1 mark

## Find the size of the missing angle in this diagram.



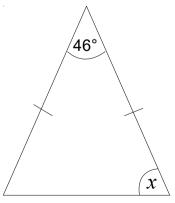
Angles in a quadrilateral add to 360 degrees

$$\chi = 118$$
 °

1 mark

# 9 Find the size of the missing angle in this diagram.

$$134 \div 2 = 67$$



The angles at the base of an isosceles triangle are equal

$$x = 67$$

1 mark

Two angles in a triangle are 30° and 120°

Theo says, "It is an equilateral triangle".

Explain why Theo is **not** correct.

In an equilateral triangle all the angles are they same, they are all 60 degrees.

1 mark

11

Two angles in a triangle are 50° and 70°

$$50 + 70 = 120$$

Harriet says, "It is an isosceles triangle".

Explain why Harriet is not correct.

The third angle would be 60 degrees.

In an isosceles triangle two angles are equal.

1 mark

12

Harper says, "If you add the the size of an acute angle to the size of an obtuse angle, you always get a reflex angle".

Explain why Harper is **not** correct.

A reflex angle is over 180 degrees.

If you add an acute angle to an obtuse angle the answer could be less than 180 degrees.

For example: 30 + 100 = 130