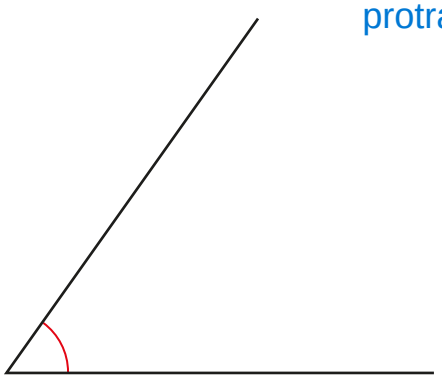
Version B

Angles in parallel lines and polygons

Name: _____

1 Measure the angle.

Miss questions 1 & 2 if you don't have a protractor at home.



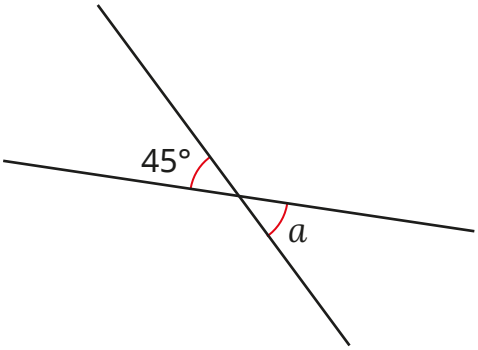
□°

1 mark

2 Draw an angle of 120°.

1 mark

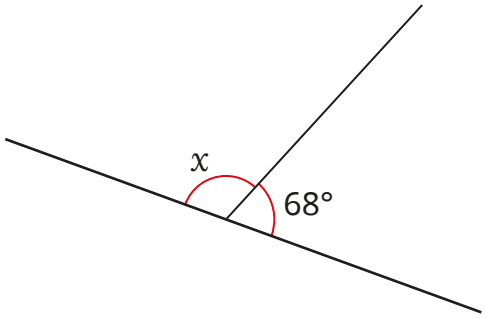
3 Work out the size of angle a.



a = □°

1 mark

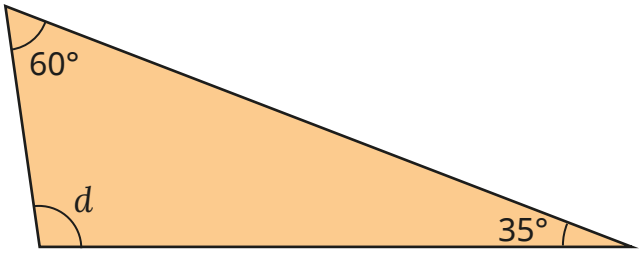
4 Work out the size of angle x.



$x =$ ☐ °

2 marks

5 Here is a triangle.

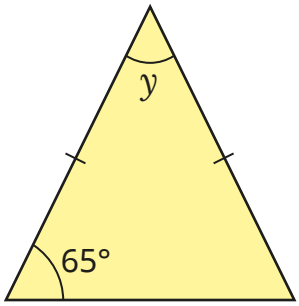


Work out the size of angle d.

$d =$ ☐ °

2 marks

6 Here is an isosceles triangle.

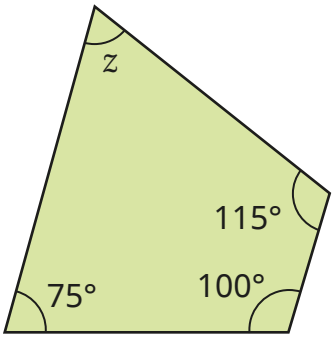


Work out the size of angle y.

$y =$ ☐ °

2 marks

7 Here is a quadrilateral.

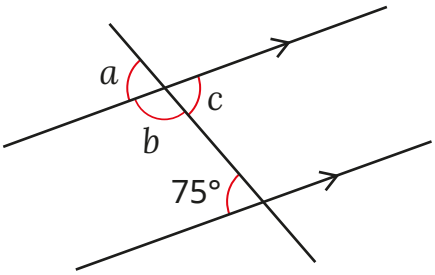


Work out the size of angle z.

$z =$ ☐ °

☐
2 marks

8



Complete the sentences.

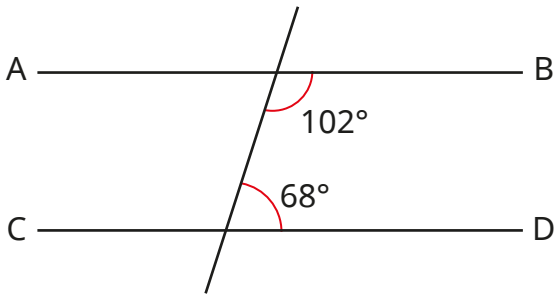
Angle _____ is co-interior with the 75° angle.

Angle _____ is corresponding to the 75° angle.

Angle _____ is alternate to the 75° angle.

☐
3 marks

9



Is AB parallel to CD?

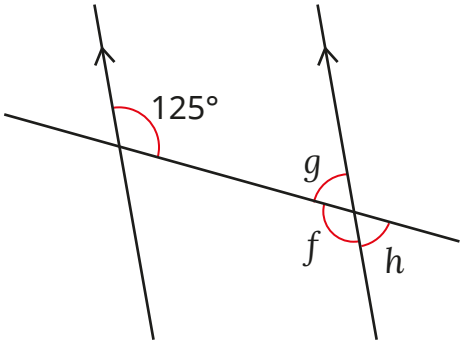
Explain your answer.

_____

_____

☐
1 mark

10 The diagram shows two parallel lines and a transversal.



Work out the sizes of angles f, g and h.

$f =$ ☐ °

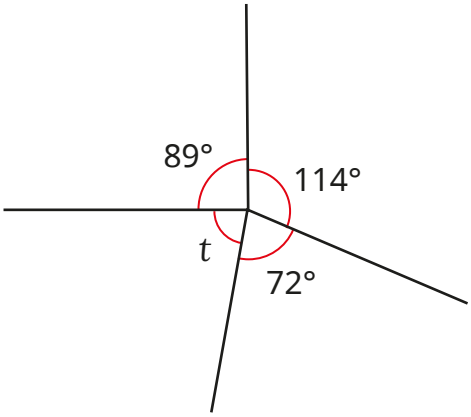
$g =$ ☐ °

$h =$ ☐ °

☐

3 marks

11 The diagram shows four angles that meet at a point.



Work out the size of angle t.

$t =$ ☐ °

☐

2 marks