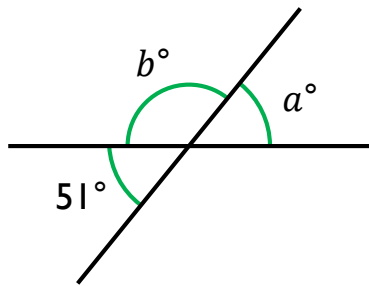


Name _____

- 1 Work out the size of the unknown angles.



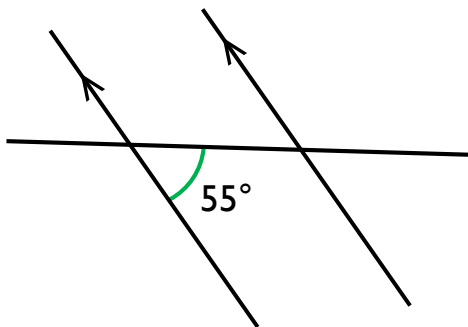
$$a = \underline{\hspace{2cm}}^\circ$$

$$b = \underline{\hspace{2cm}}^\circ$$



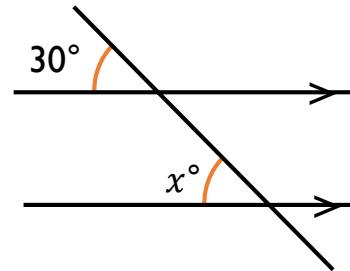
2 marks

- 2 Label the angle that is alternate to the angle shown.



1 mark

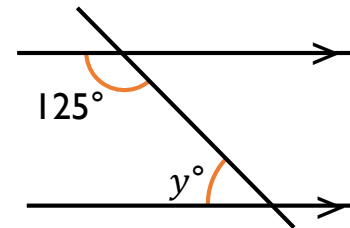
- 3 Work out the unknown angles. Give reasons for your answers.



$$x = \underline{\hspace{2cm}}^\circ \text{ because } \underline{\hspace{10cm}}$$



2 marks



$$y = \underline{\hspace{2cm}}^\circ \text{ because } \underline{\hspace{10cm}}$$



2 marks

- 4 Work out the size of the angle marked t .



$$t = \underline{\hspace{2cm}}^\circ$$



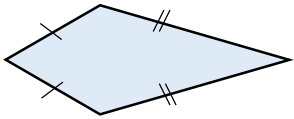
2 marks

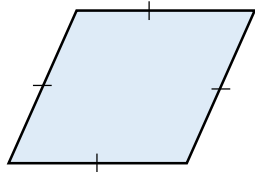
- 5 In the space below construct triangle ABC such that $AB = 6$ cm, $\angle ABC = 50^\circ$ and $\angle CAB = 55^\circ$



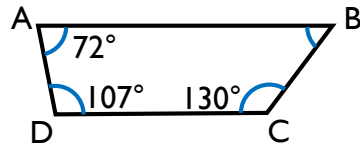
3 marks

- 6 Write the mathematical names of the quadrilaterals.





- 7 ABCD is a quadrilateral.



Work out the size of angle $\angle ABC$.
Give a reason for your answer.



2 marks

- 8 Work out the sum of the interior angles of an octagon.



2 marks

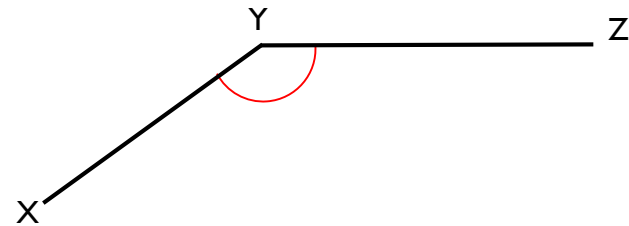
Write down the sum of the exterior angles of an octagon.



1 mark

- 9 Bisect $\angle XYZ$, showing your construction lines.

H

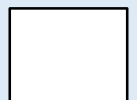


2 marks



1 mark

Total marks



A