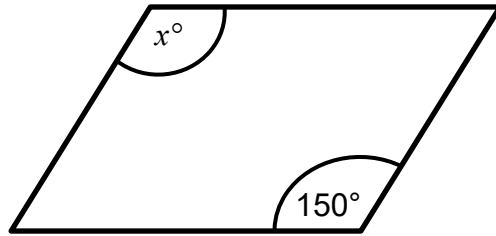


Properties of Polygons 20 minute test 1

- 1 A parallelogram is shown below. Work out the value of angle x .

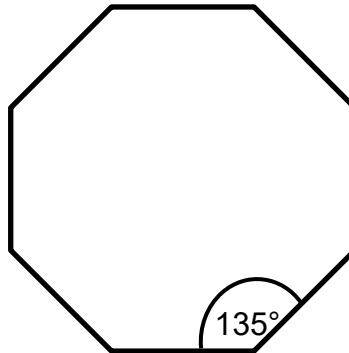
[2 marks]



Not drawn accurately

Answer _____ degrees

- 2 A regular polygon is shown below.



- 2 (a) Write down the mathematical name for this shape.

[1 mark]

Answer _____

- 2 (b) Work out the size of one exterior angle.

[2 marks]

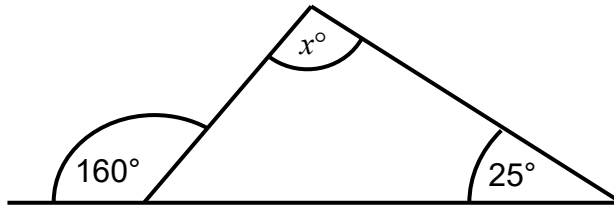
_____ degrees

Answer _____

3 (a) Work out the value of x .

[2 marks]

Not drawn accurately



Answer _____ degrees

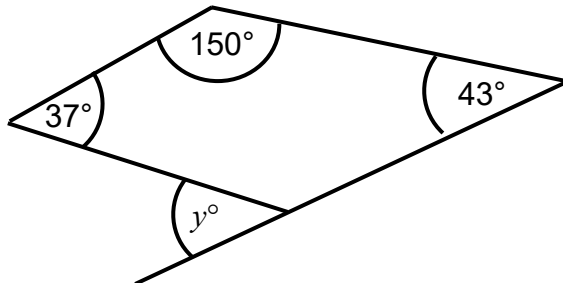
(b) Give reasons for your answer.

[1 mark]

4 (a) Work out the value of y .

[2 marks]

Not drawn accurately



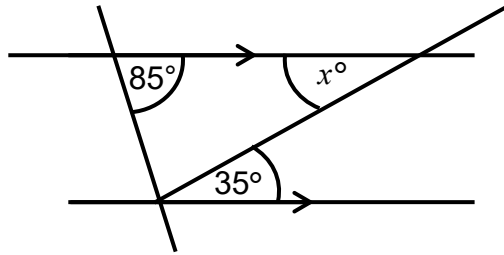
Answer _____ degrees

(b) Give full reasons for your answer.

[2 marks]

5 (a) Work out the value of x .

[1 mark]



Not drawn accurately

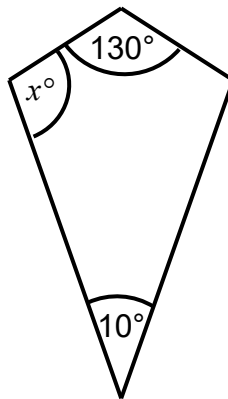
Answer _____ degrees

(b) Give a reason for your answer.

[1 mark]

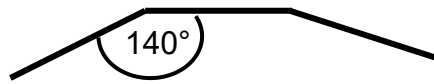
6 A kite is shown below. Work out the value of angle x .

[2 marks]



Answer _____ degrees

- 7 Part of a regular polygon is shown.
Work out the number of sides it has.

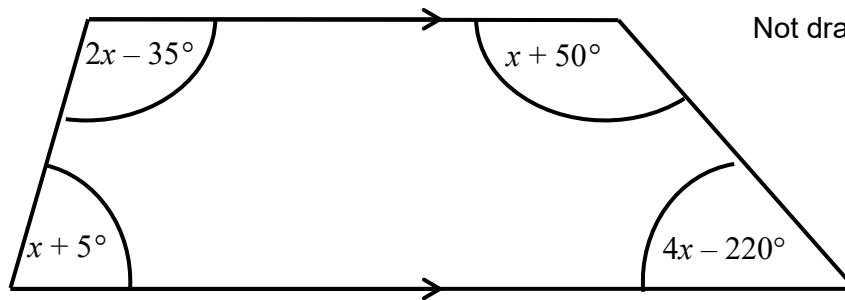


Not drawn accurately

[2 marks]

Answer _____

8



Not drawn accurately

The diagram shows a trapezium.

Work out the value of x .

[3 marks]

Answer _____ degrees