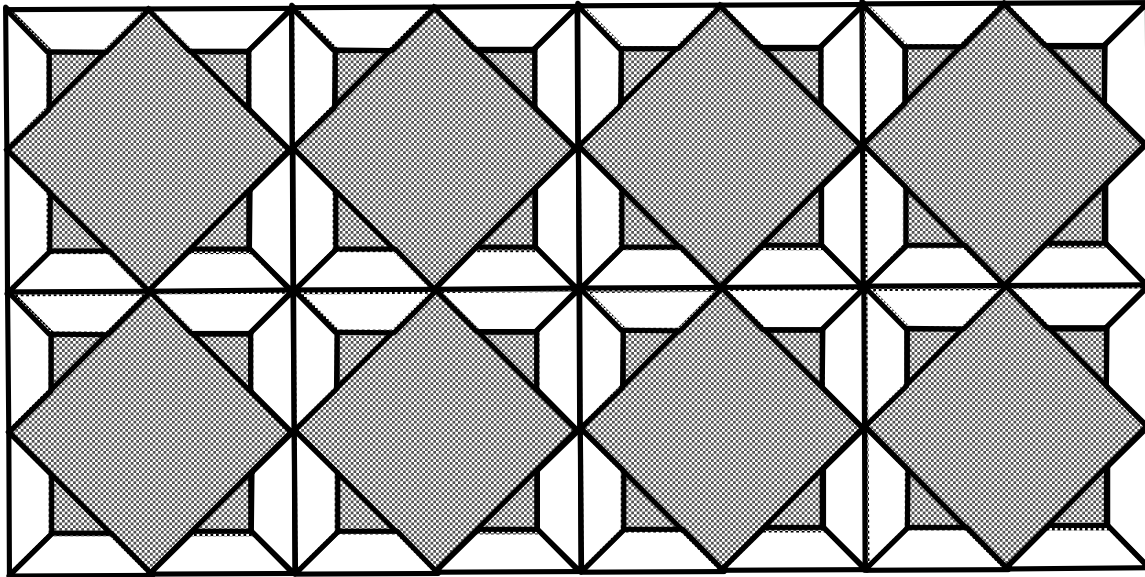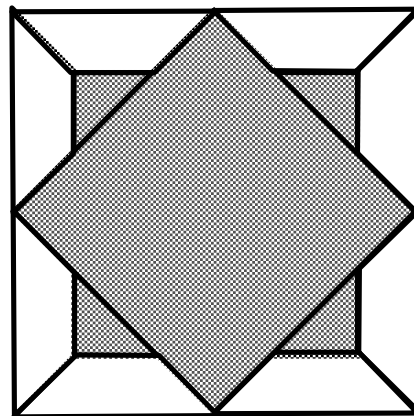# Floor Pattern

The diagram shows a floor pattern.

In the floor pattern, the shaded part is made by overlapping two equal squares.

The shaded shape can also be seen as a set of eight equal kites.

1. Find the measures of all four angles of the kites.

   Explain how you obtained your answers.

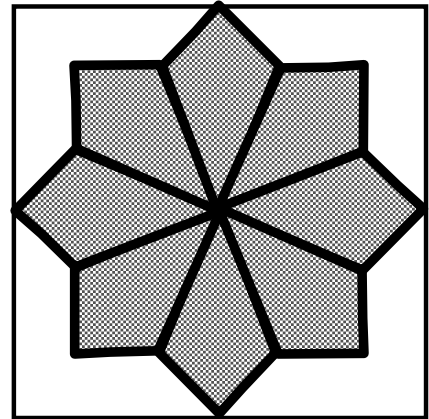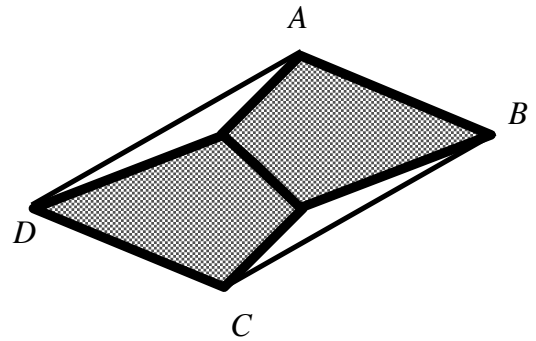   _____

   _____

   _____

   _____

   _____

   _____

A

B

2. Two of the kites can fit together to make a hexagon.

   Prove that the quadrilateral ABCD is a parallelogram.

D

C

_____

_____

_____

_____

_____

Floor Pattern