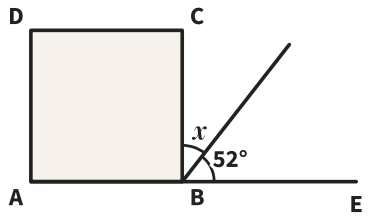
Angle Facts

1

ABCD is a square. ABE is a straight line.
Work out the size of angle x.

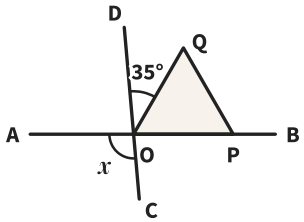


Not drawn accurately

Answer _____

2

AB and CD are straight lines. OPQ is an equilateral triangle.
Work out the size of angle x.

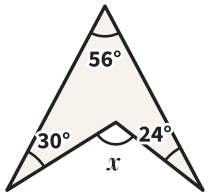


Not drawn accurately

Answer _____

3

Work out the size of angle x.

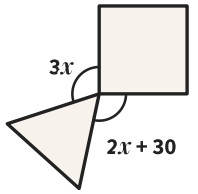


Not drawn accurately

Answer _____

4

A square and an equilateral triangle meet at a point.
Work out the value of x.

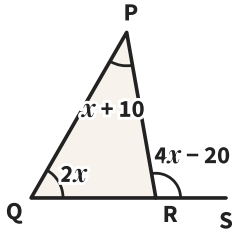


Not drawn accurately

Answer _____

5

QRS is a straight line.
Work out the value of x.

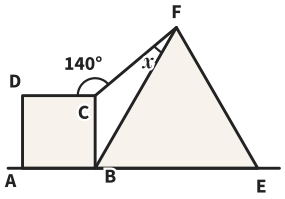


Not drawn accurately

Answer _____

6

ABCD is a square. BEF is an equilateral triangle. ABE is a straight line.
Work out the size of angle x.

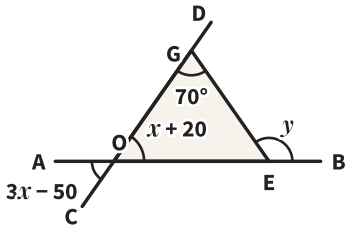


Not drawn accurately

Answer _____

7

AB and CD are straight lines.
Work out the size of angle y.

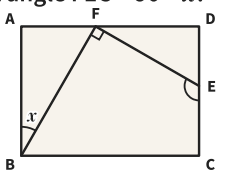


Not drawn accurately

Answer _____

8

ABCD is a rectangle. Angle ABF = x and angle BFE = 90°.
Show that angle FEC = 90 + x.



Not drawn accurately

Proof _____