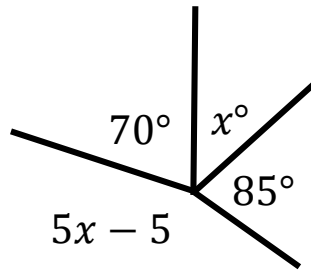
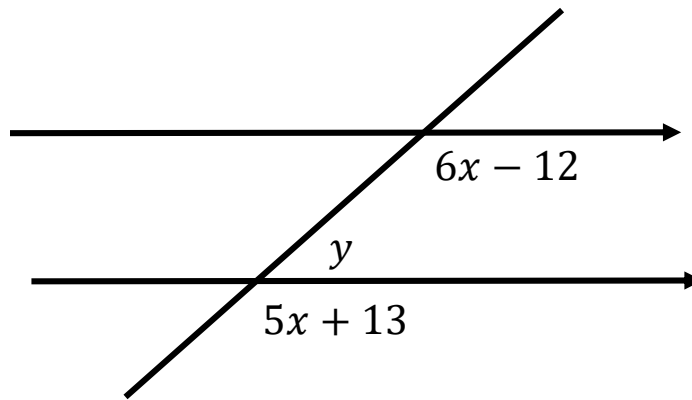


1. Calculate x .



$x = \dots\dots\dots$
(2 marks)

2. Calculate y .

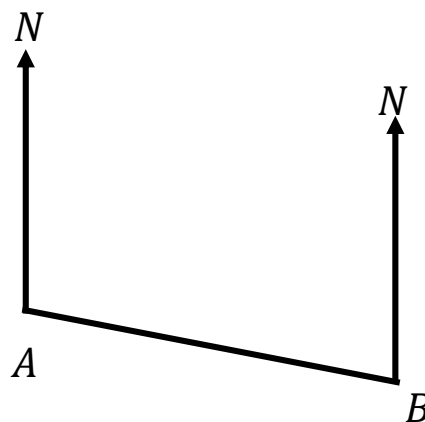


$\dots\dots\dots$
(3 marks)

3. The diagram show the locations of two planes in the sky.

The bearing of B to A is 310°

Calculate the bearing of B from A

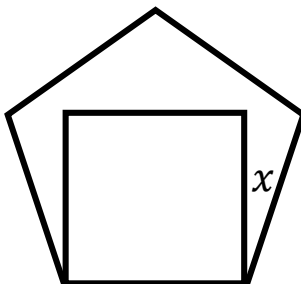


*Not drawn
to scale*

$\dots\dots\dots$
(2 marks)

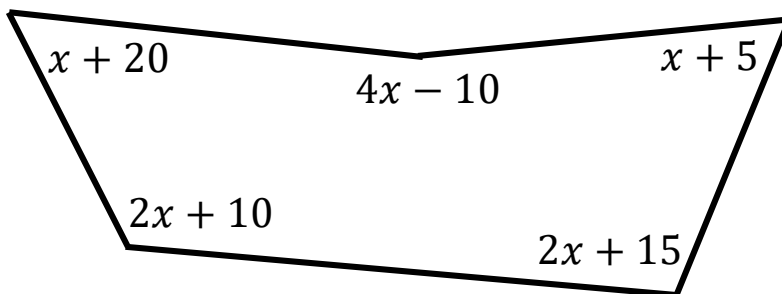
4. Here is are two regular polygons.

Calculate x .



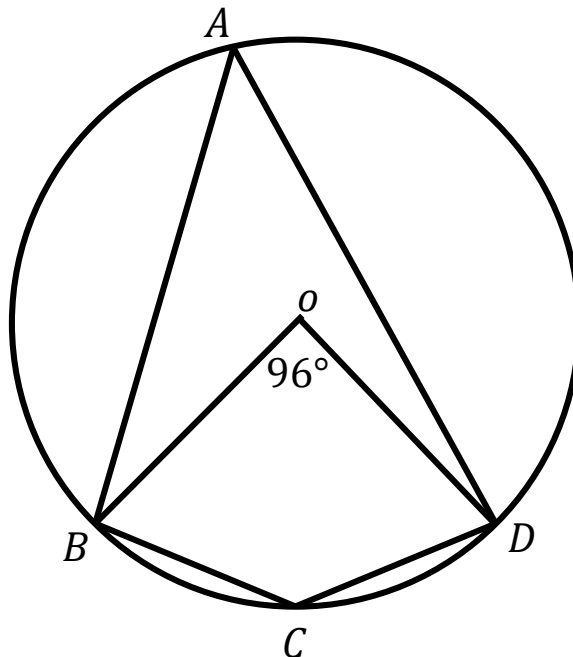
$x = \dots\dots\dots$
(2 marks)

5. Calculate x .



$x = \dots\dots\dots$
(2 marks)

6. Points A , B , C , and D are points on the edge of a circle center O .



(a) Calculate the size of angle BAC .

.....

(b) Calculate the size of angle BCD .

.....

(3 marks)

Score =