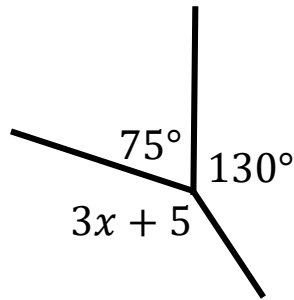


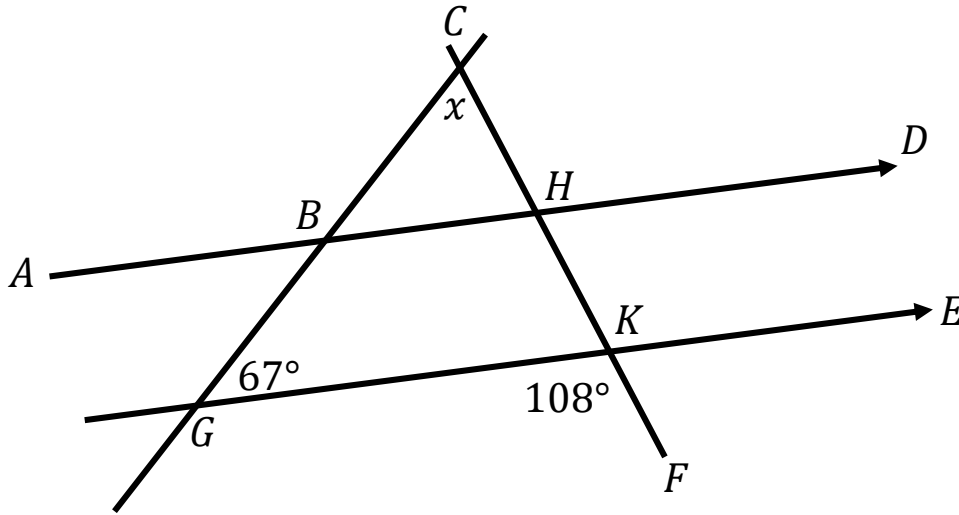
1. Calculate x .



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

2. Calculate x .

You must give reasons for your answer.

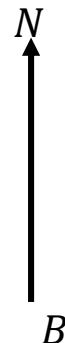


$\dots\dots\dots$
(3 marks)

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

Plane C is on a bearing of 080° from plane A

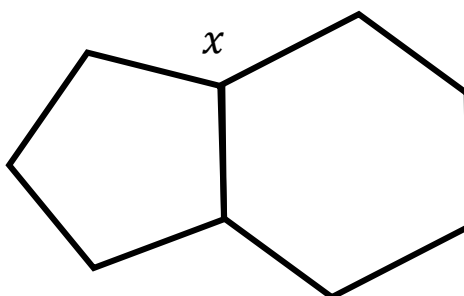
Plane C is on a bearing of 320° from plane B



(2 marks)

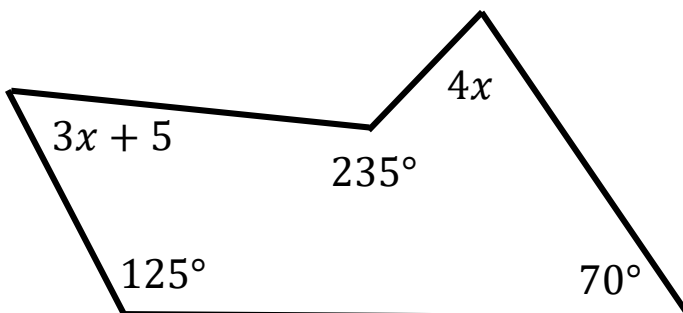
4. Here is are two regular polygons.

Calculate x .



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

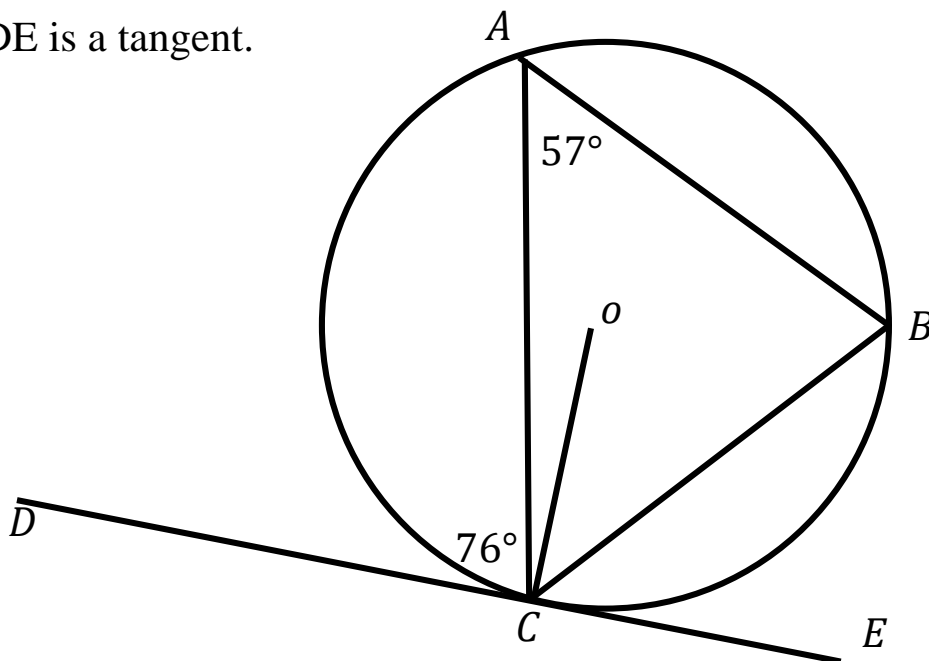
5. Calculate x .



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

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

DE is a tangent.



(a) Calculate the size of angle ECB .

$\dots\dots\dots$

(b) Calculate the size of angle OCB .

$\dots\dots\dots$

(3 marks)

Score =