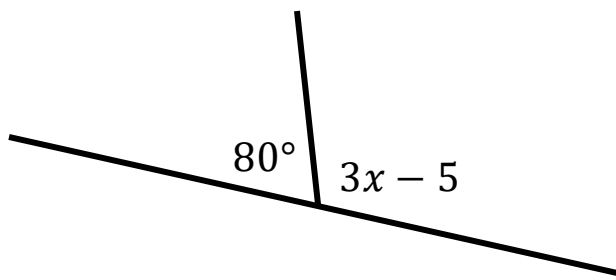


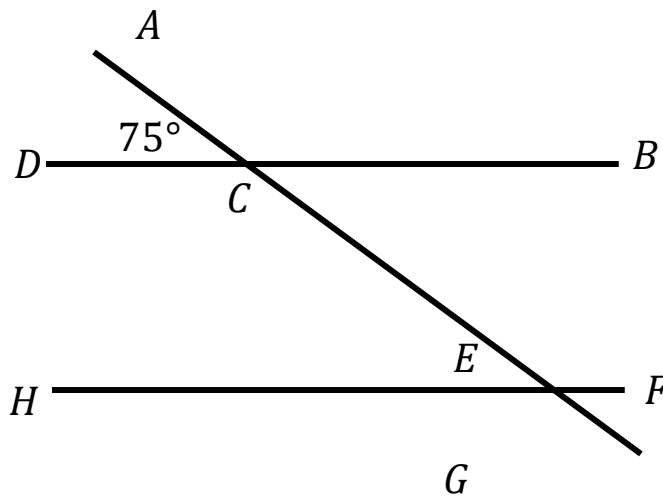
1. Calculate x .



$x = \dots 35^\circ \dots$
(2 marks)

2. Calculate HEC .

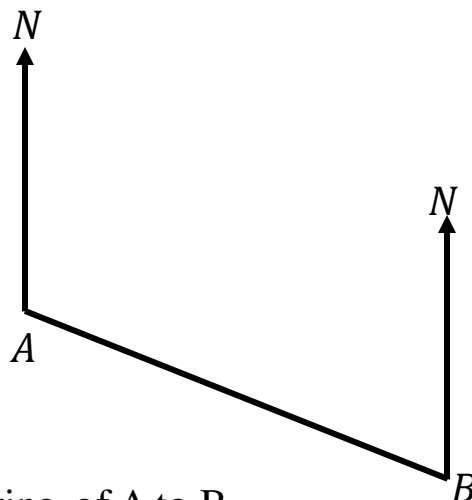
You must give reasons for your answer



$ECB = 75^\circ$ because they are corresponding angles

(3 marks)

3. The diagram show the locations of two ships.



(a) Measure the bearing of A to B.

112°
.....

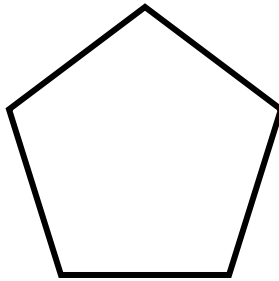
(b) Measure the bearing of A from B.

292°
.....

(2 marks)

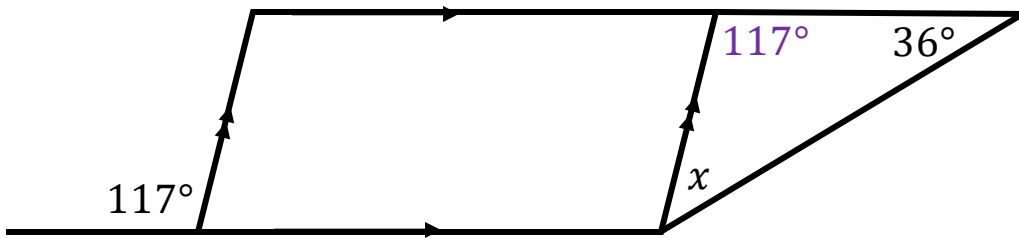
4. Here is a regular polygon.

Calculate a single exterior angle.



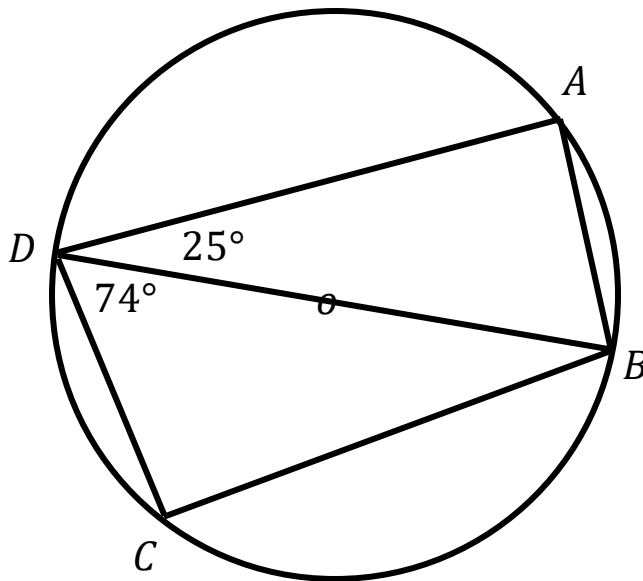
$x = \dots 72^\circ \dots$
(2 marks)

5. Calculate x .



$x = \dots 27^\circ \dots$
(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 CBD.

$\dots 16^\circ \dots$

(b) Calculate the size of angle ABC.

$\dots 81^\circ \dots$

(3 marks)

Score =