1. Calculate x.

122°

$2x + 14$

$x =$ ……………
(2 marks)

2. Calculate AFH.

You must give reasons for your answer

A

H

F

B

E

126°

G

C

D

_____

_____
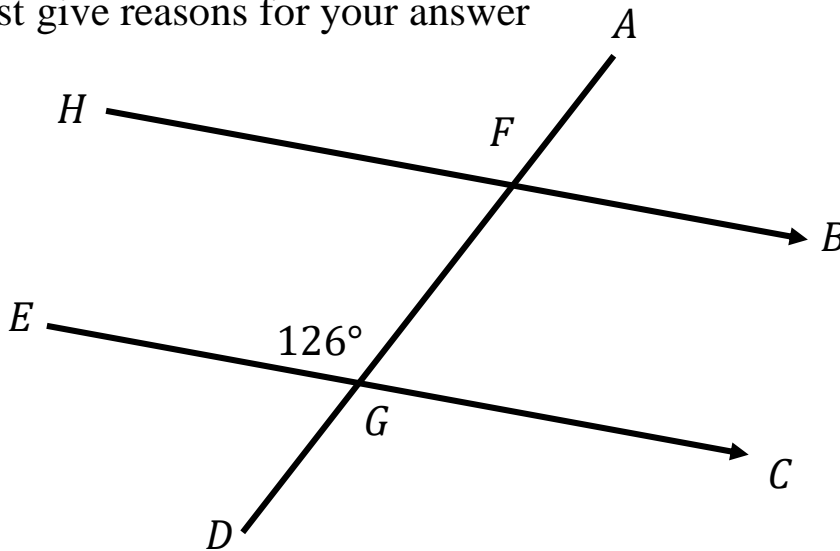
(3 marks)

3. The diagram show the locations of two ships.

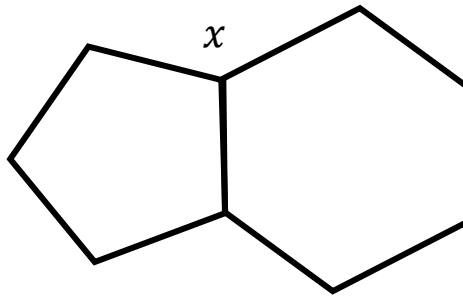Ship C is on a bearing of 075° from ship A
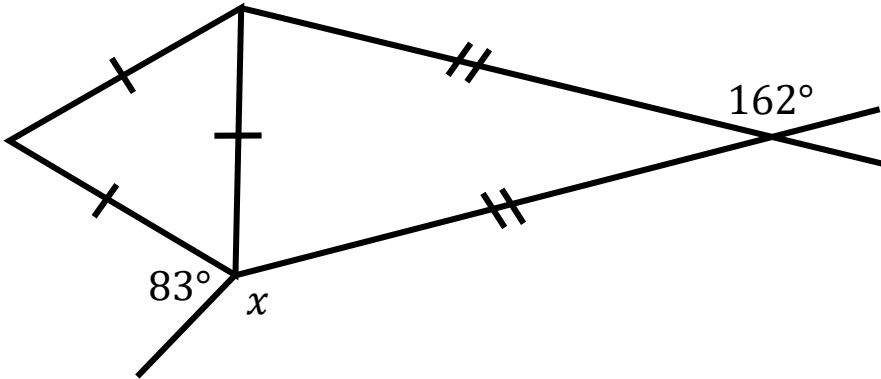Ship C is on a bearing of 270° from ship B

N

N

B

A

(2 marks)
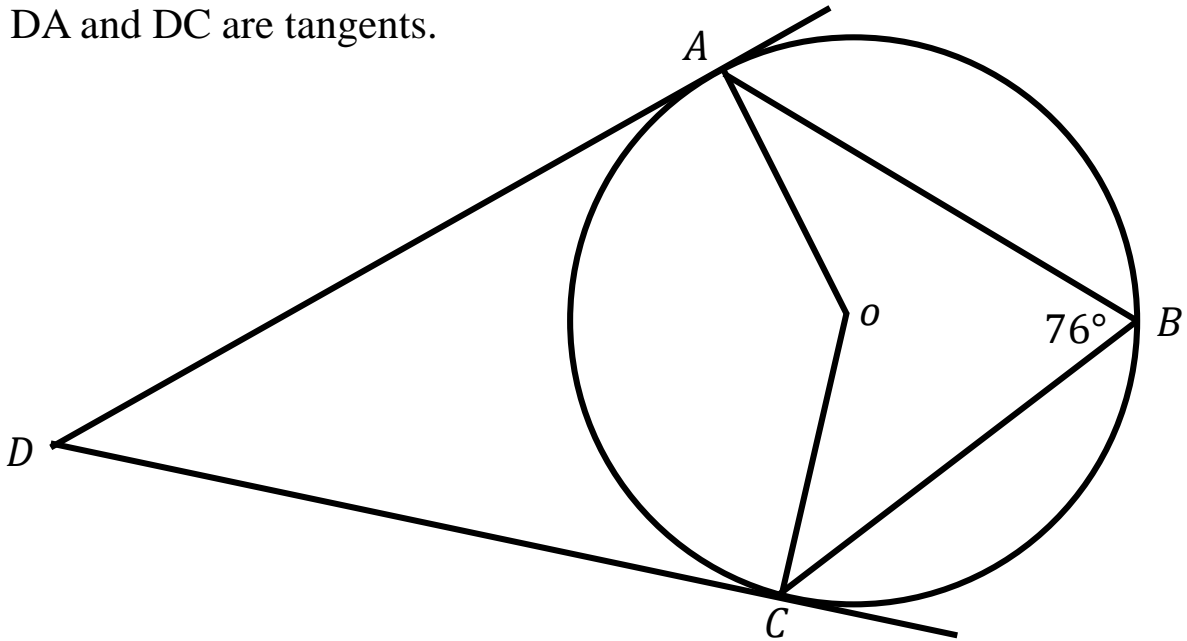
4. Here is are two regular polygons.

Calculate x.

x = ……………

(2 marks)

5. Calculate x.

162°

83° x

x = ……………

(2 marks)

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

DA and DC are tangents.

A

O

76° B

D

C

(a) Calculate the size of angle AOC.

………………

(b) Calculate the size of angle CDA.

………………

(3 marks)

Score =