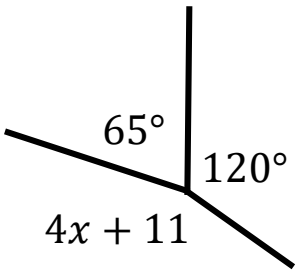
Higher Homework 46 : Angles

1. Calculate x.



$x =$ 41° (2 marks)

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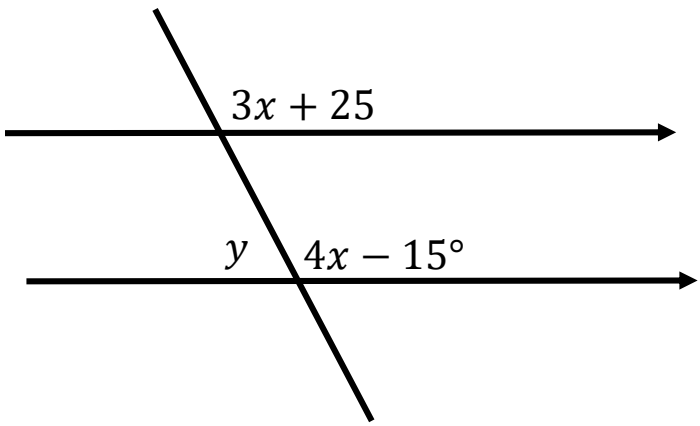
2. Calculate y.



$3x + 25 = 4x - 15$

$x = 40$

$y = 35°$ (3 marks)

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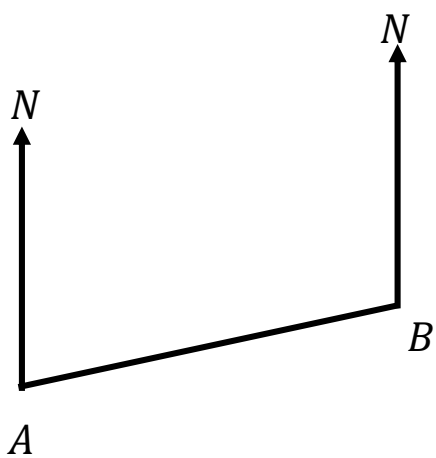
3. The diagram show the locations of two planes in the sky.

The bearing of A to B is 65°
Calculate the bearing of A from B

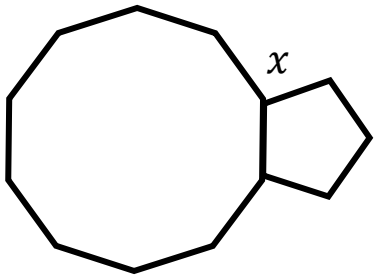
Not drawn to scale



245° (2 marks)

4. Here is are two regular polygons.

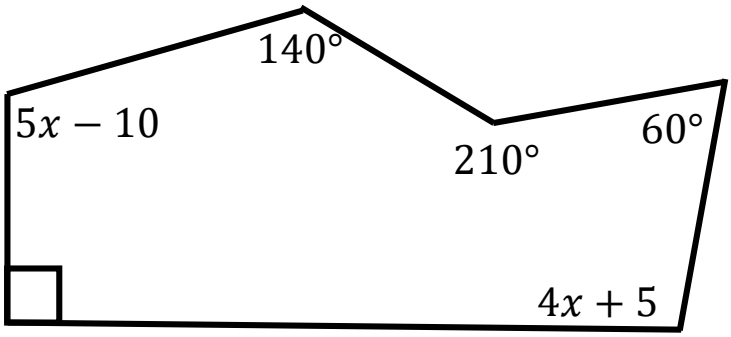
Calculate x.



$x =$ 108° .....

(2 marks)

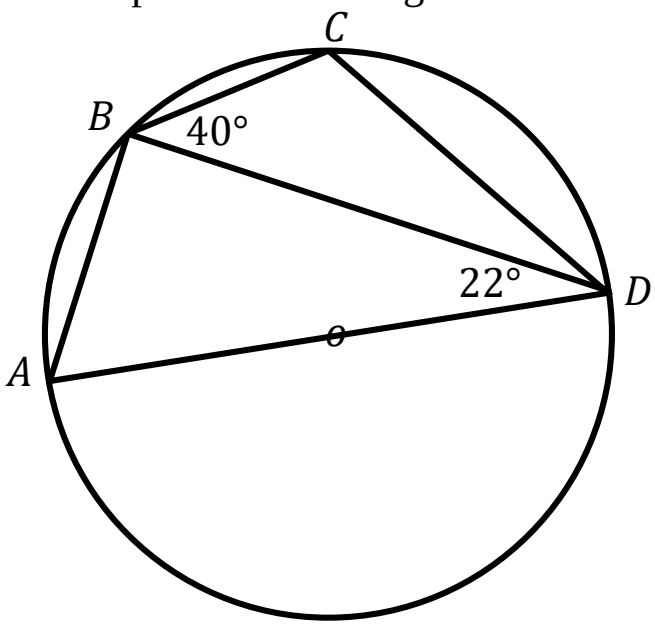
5. Calculate x.



$x =$ 25° .....

(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 BAD. 68° .....

(b) Calculate the size of angle CDB. 28° .....

(3 marks)

Score =