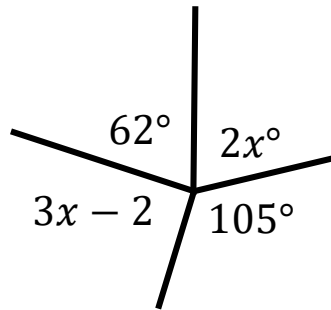


MATHS TEACHER HUB
Higher Homework 48 : Angles

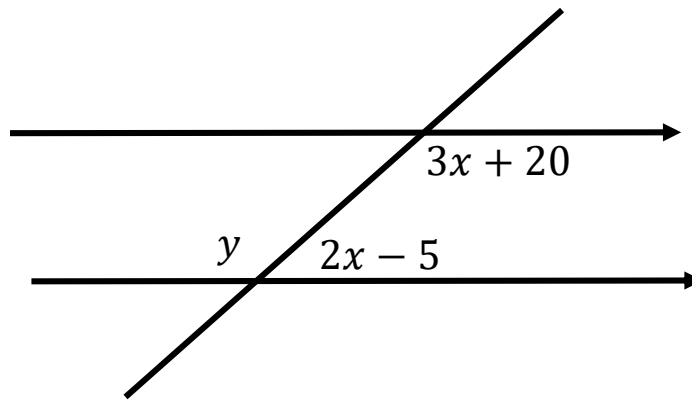
1. Calculate x .



$$x = \dots\dots\dots 39^\circ$$

(2 marks)

2. Calculate y .



$$3x + 20 + 2x - 5 = 180$$

$$5x + 15 = 180$$

$$x = 33$$

$$\dots\dots\dots y = 119^\circ$$

(3 marks)

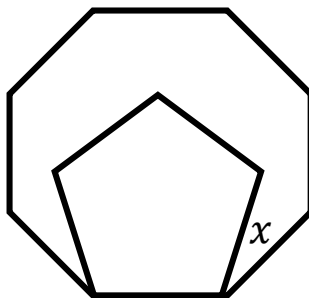
3. The bearing of ship A to ship B is 125°
Calculate the bearing of A from B

$$\dots\dots\dots 305^\circ$$

(2 marks)

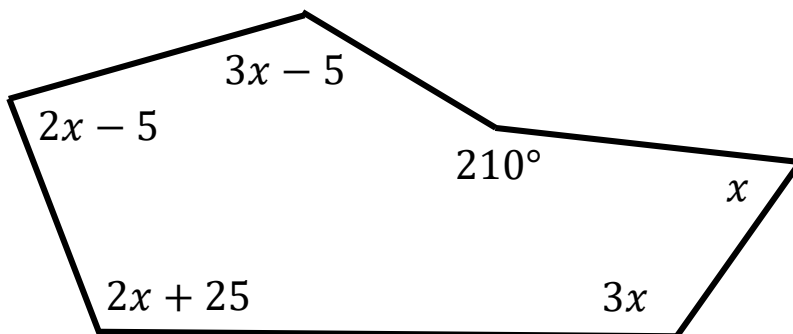
4. Here is are two regular polygons.

Calculate x .



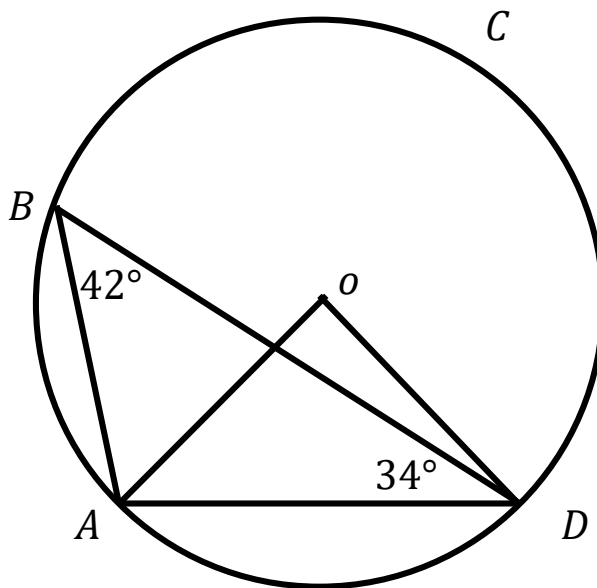
$x = \dots\dots\dots 27^\circ$
(2 marks)

5. Calculate x .



$x = \dots\dots\dots 45^\circ$
(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 AOD.

$\dots\dots\dots 84^\circ$

(b) Calculate the size of angle ODB.

$\dots\dots\dots 14^\circ$

(3 marks)

Score =