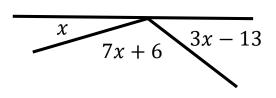
♦ maths teacher hub

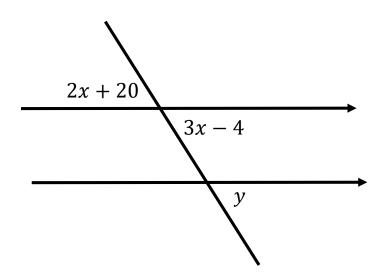
Higher Homework 50: Angles

1. Calculate *x*.



$$x =$$
 (2 marks)

2. Calculate y.



$$2x + 20 = 3x - 4$$
$$x = 24$$

$$y = 68^{\circ}$$

(3 marks)

3. The bearing of ship A to ship B is 307° Calculate the bearing of A from B

127°

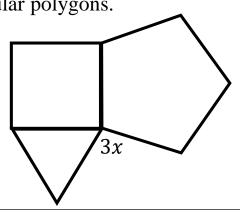
(2 marks

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Higher Homework 50: Angles

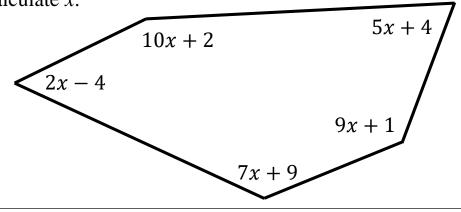
4. Here is are three regular polygons.

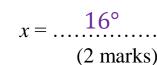
Calculate *x*.



$$x =34^{\circ}$$
 (2 marks)

5. Calculate *x*.

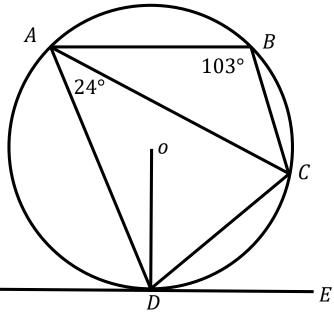




6. Points A, B, C and D are points on the edge of a circle center O.

FE is a tangent.

F



(a) Calculate the size of angle ODC.

(b) Calculate the size of angle ADO.

66°

37°

(3 marks)