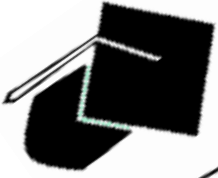


1. Calculate  $x$ .



$$\frac{3x - 12}{9x + 18}$$

$x = \dots\dots\dots$   
(2 marks)

2. Calculate

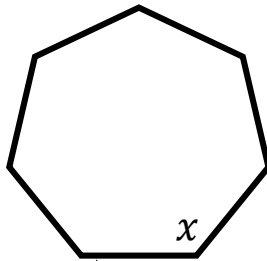
Available from  
my TES  
account

$x = \dots\dots\dots$   
(3 marks)

3. The bearing of ship B to ship A is  $215^\circ$   
Calculate the bearing of B from A

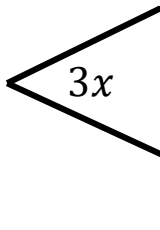
$\dots\dots\dots$   
(2 marks)

4. Calculate the interior angle of this regular polygon.  
Round your answer to 1 dp.



$x = \dots\dots\dots$   
(2 marks)

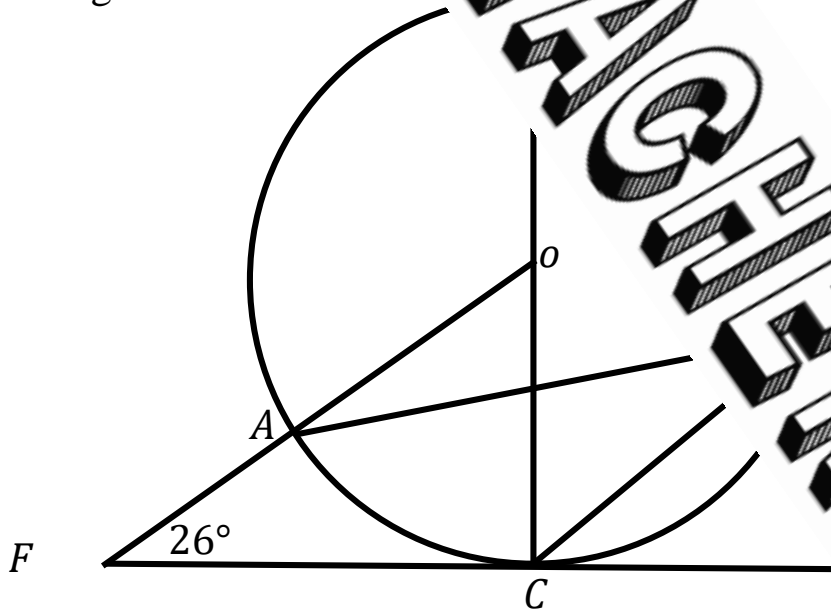
5. Calculate



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$x = \dots\dots\dots$   
(2 marks)

6. Points  $A$ ,  $B$ ,  $C$  and  $D$  are points on a circle center  $O$ .  
 $FE$  is a tangent.



- (a) Calculate the size of angle  $AOC$ .  
(b) Calculate the size of angle  $DBA$ .

Score =