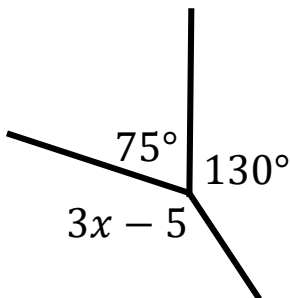
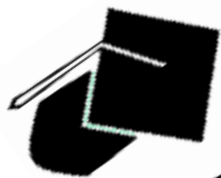
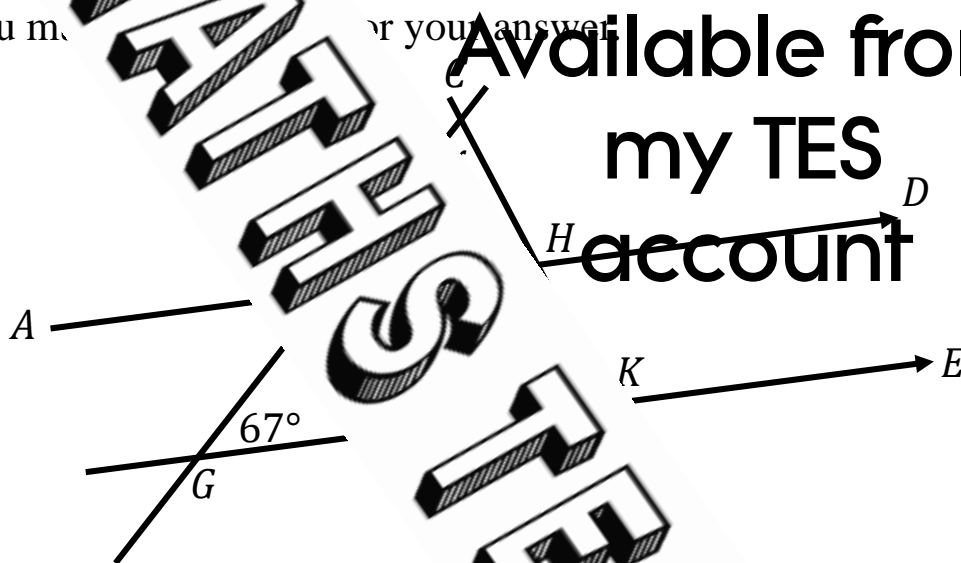


1. Calculate  $x$ .



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

2. Calculate  $x$ .  
You must show your answer.



$\dots\dots\dots$   
(3 marks)

3. The diagram shows the locations of two planes.  
Plane C is on a bearing of  $080^\circ$  from plane A.  
Plane C is on a bearing of  $320^\circ$  from plane B.



(2 marks)

4. Here are two regular polygons.



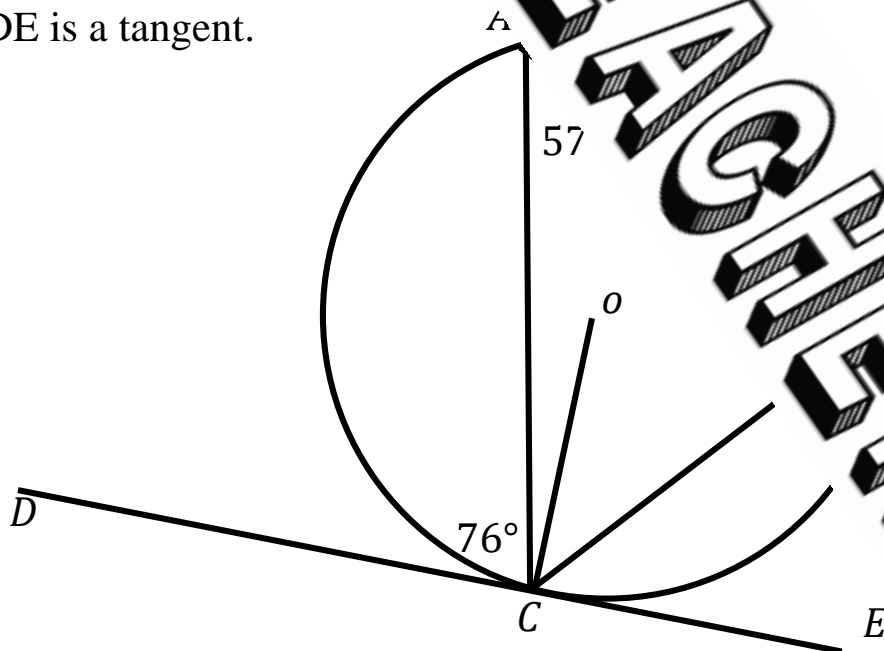
$x = \dots\dots\dots$   
(2 marks)

5. Calculate



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

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



- (a) Calculate the size of angle  $ECB$ .
- (b) Calculate the size of angle  $OCB$ .

(2 marks)

Score =