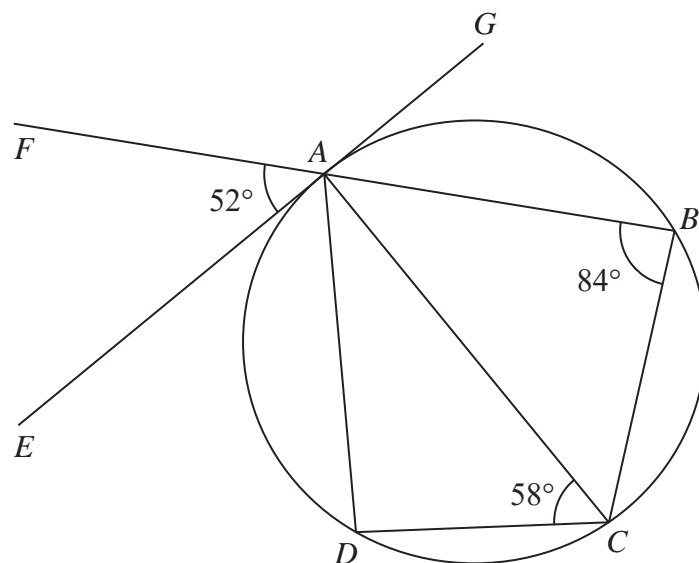**26**

Diagram **NOT** accurately drawn

In the diagram, *A*, *B*, *C* and *D* are points on the circumference of a circle. *FAB* is a straight line and *EAG* is the tangent to the circle at the point *A*.

$\angle ABC = 84°$, $\angle ACD = 58°$ and $\angle EAF = 52°$

Giving your reasons, calculate the size, in degrees, of

(a) $\angle ADC$,

$\angle ADC =$ .... °

(2)

(b) $\angle EAD$,

$\angle EAD =$ .... °

(2)

(c) $\angle ACB$.

$\angle ACB =$ .... °

(2)

(Total for Question 26 is 6 marks)

Do NOT write in this space

Turn over for Question 27