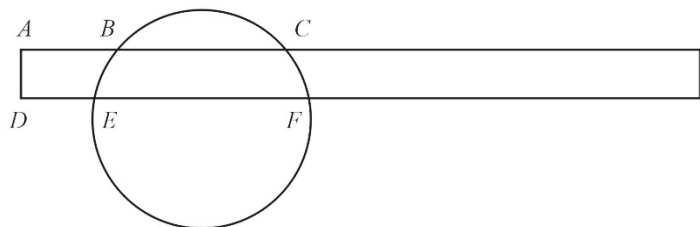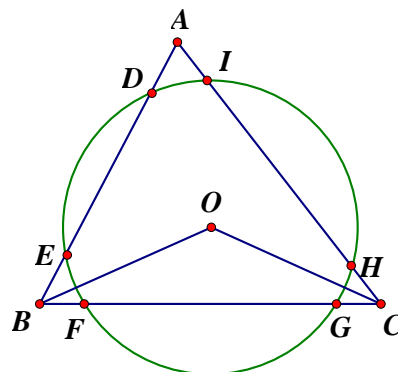**2005 FG3.3**

如圖，一長方形與圓相交於點 *B*、*C*、*E* 及 *F*。已知 *AB* = 4 cm，*BC* = 5 cm
及 *DE* = 3 cm。若 *EF* = *c* cm，求 *c* 的值。

In the figure, a rectangle intersects a circle at points *B*, *C*, *E* and *F*. Given that *AB*
= 4 cm, *BC* = 5 cm and *DE* = 3 cm. If *EF* = *c* cm, find the value of *c* .

2024 HG2

在圖二中，*O* 是圓 *DEFGHI* 的圓心，Δ*ABC* 與該圓相交於 *D*、
E、*F*、*G*、*H* 及 *I*，使得 *AD* = *EB* 及 *BF* = *CG*，
已知∠*ABO* = 38°及∠*ACO* = 28°，求 ∠*BOC*。

In Figure 2, *O* is the centre of the circle *DEFGHI*. Δ*ABC* intersects
the circle at *D*, *E*, *F*, *G*, *H* and *I* such that *AD* = *EB* and *BF* = *CG*.
If ∠*ABO* = 38° and ∠*ACO* = 28°, find ∠*BOC*.

圖二 Figure 2

Answers

2005 FG3.3	2024 HG2			
7	132°			