1991 HI17

在圖中，$PQ = PR = 8$ cm 及∠$QPR = 120°$。A、D
依次為 PQ、PR 的中點。若 $ABCD$ 是一個面積為
$\sqrt{x}$ cm^2 的矩形，求 x 的值。

In the figure, $PQ = PR = 8$ cm and ∠$QPR = 120°$.
A, D are the mid-points of PQ, PR respectively .
If $ABCD$ is a rectangle of area $\sqrt{x}$ cm^2, find the value of x .
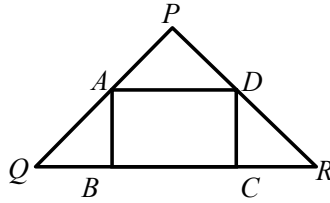
1992 HI9

在 ΔABC 中，$AB = 8$ cm、$BC = 6$ cm、∠$ABC = 90°$，
若 ∠ACB 的角平分綫與 AB 交於 R，且 $CR = 3\sqrt{a}$ cm，求 a 的值。

In ΔABC, $AB = 8$ cm, $BC = 6$ cm and ∠$ABC = 90°$. If the bisector of ∠ACB cuts
AB at R and $CR = 3\sqrt{a}$ cm, find the value of a .

1992 HI19

一張闊 6 cm 的長方形紙按右圖所示對摺，使得一角與對
邊接觸。若 θ 為 30°，且 $DE = x$ cm，求 x 的值。

A rectangular piece of paper of width 6 cm is folded such that
one corner touches the opposite side as shown in the figure .
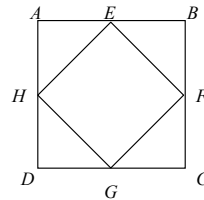If θ = 30° and $DE = x$ cm , find the value of x .
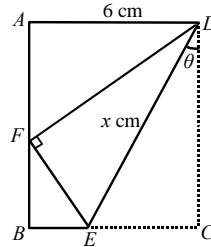
1999 FI4.4

在圖中，正方形 $ABCD$ 之面積為 d。若 E，F，G，H 分別是
AB，BC，CD，DA 之中心點，及 $EF = c$，求 d 之值。

In figure 3, the area of the square $ABCD$ is equal to d. If E, F,
G, H are the mid-points of AB, BC, CD and DA respectively
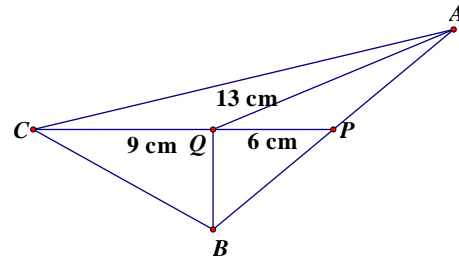and $EF = 2$, find the value of d .

2016 HG2

如圖顯示ΔABC，P 為 AB 的中點及 Q 是
CP 上的一點。已知 $BQ \perp CP$，
$PQ = 6$ cm、$CQ = 9$ cm 及 $AQ = 13$ cm。
求 ΔABC 的面積。

The figure shows ΔABC, P is the
mid-point of AB and Q is a point on CP.
It is known that $BQ \perp CP$, $PQ = 6$ cm,
$CQ = 9$ cm and $AQ = 13$ cm.
Find the area of ΔABC .

Answers

1991 HI17	1992 HI9	1992 HI19	1999 FI4.4	2016 HG2
192	5	8	8	75 cm^2