



Problem of the Week

Problem D

Dividing a Square

In the diagram below, the large square $ABCD$ is divided into three regions, a smaller square $BFGH$ and two rectangles $AHGE$ and $CDEF$. The area of square $BFGH$ is 36 cm^2 .

We are also given that:

$$\text{Area of } BFGH - \text{Area of } CDEF = \text{Area of } CDEF - \text{Area of } AHGE$$

Determine the areas of rectangle $CDEF$ and rectangle $AHGE$.

