



## Problem of the Week

### Problem C

### Square On

$ABCD$  is a square with area  $64 \text{ m}^2$ .  $E, F, G,$  and  $H$  are points on sides  $AB, BC, CD,$  and  $DA,$  respectively, such that  $AE = BF = CG = DH = 2 \text{ m}$ .  $E, F, G,$  and  $H$  are connected to form square  $EFGH$ .

Determine the area of  $EFGH$ .

