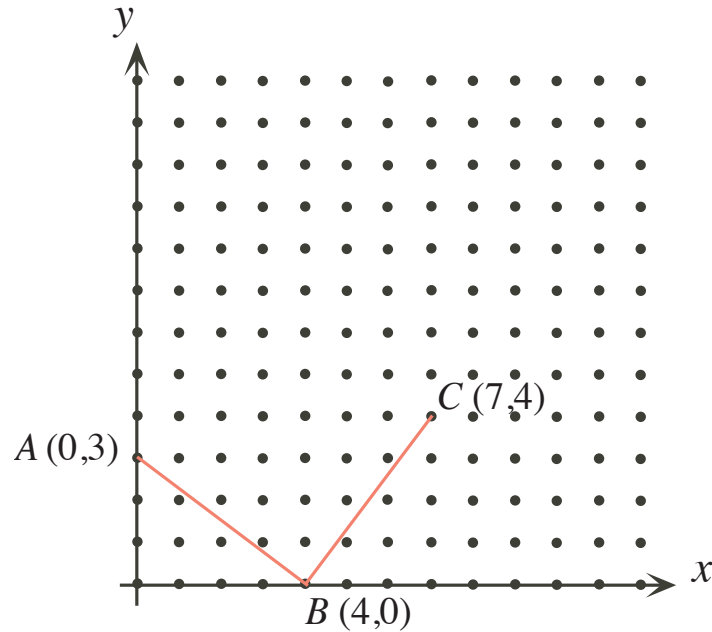




## Problem of the Week Grade 7 and 8

### A Griddy Performance



Three of the vertices of square  $ABCD$  are located at  $A(0,3)$ ,  $B(4,0)$ , and  $C(7,4)$ .

- Determine the coordinates of the fourth vertex,  $D$ .
- Determine the area of square  $ABCD$ .

