



Problem of the Week

Problem E

The Hypotenuse is Aligned

$\triangle OAB$ is an isosceles right-angled triangle with

- vertex O located at the origin; and
- vertices A and B located on the line $2x + 3y - 13 = 0$ such that $\angle AOB = 90^\circ$ and $OA = OB$.

Determine the area of $\triangle OAB$.

