



Problem of the Week

Problem D

That Triangle

In the diagram below, $ABCD$ is a rectangle. Point E is outside the rectangle so that $\triangle AED$ is an isosceles right-angled triangle with hypotenuse AD . Point F is the midpoint of AD , and EF is perpendicular to AD .

If $BC = 4$ and $AB = 3$, determine the area of $\triangle EBD$.

