



Problem of the Week

Problem E

No Parbolema to Find the Area!

A parabola intersects the y -axis at $B(0, 5)$, and intersects the x -axis at $C(5, 0)$ and at $A(r, 0)$, where $0 < r < 5$. The area of $\triangle ABC$ is 5 units².

If $D(p, q)$ is the vertex of the parabola, then determine the area of $\triangle DBC$.

