



Problem of the Week

Problem D

Stained Glass

Points $A(0, a)$, $B(2, -1)$, $C(3, 2)$, $D(0, -1)$, and $O(0, 0)$ are such that $\triangle ABD$ and $\triangle COB$ have the same area. If $a > 0$, determine the value of a .

