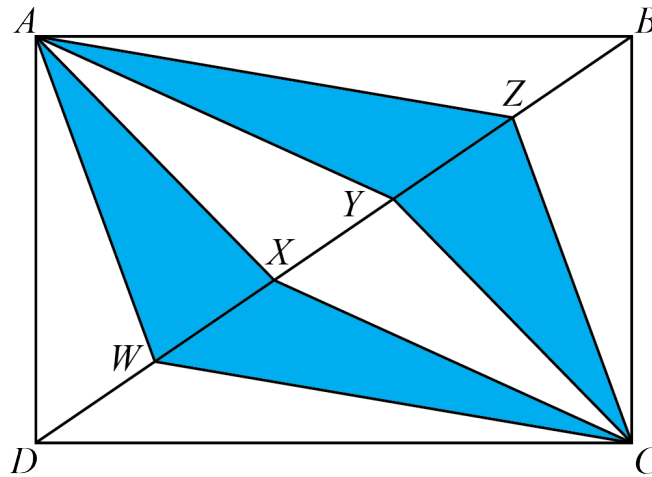# Problem of the Week
Problem D
They're Blue

In rectangle $ABCD$, the length of side AB is 7 m and the length of side BC is 5 m. Four points, W, X, Y, and Z, lie on diagonal BD, dividing it into five equal segments. Triangles AWX, AYZ, CWX, and CYZ are then painted blue, as shown.

Determine the area of the painted region.