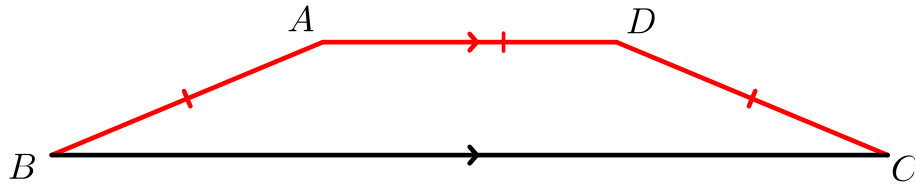# Problem of the Week
Problem E
Three Equal Sides

In trapezoid $ABCD$, the lengths of AB, AD and DC are equal and the length of BC is 2 units less than the sum of the lengths of the other three sides.

If the distance between the parallel sides AD and BC is 5 units, what is the area of the trapezoid?