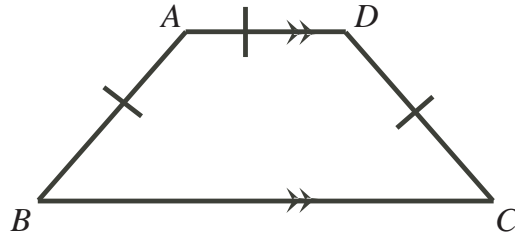




Problem of the Week Grade 9 and 10

It's a Trap!

A four-sided figure with one pair of parallel sides is referred to as a trapezoid.



Trapezoid $ABCD$ has three equal sides $AB = AD = DC$. The base BC is 2 cm less than the sum of the lengths of the the other three sides. The distance between the parallel sides is 5 cm.

Determine the area of trapezoid $ABCD$.

