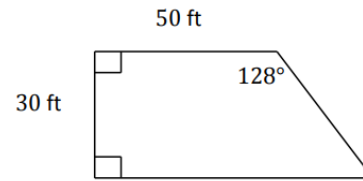


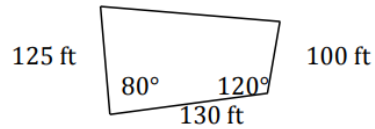
1.

If fencing costs \$2.50 per foot, how much will it cost to buy fencing to go around the plot of land shown below?



2.

In the township of Madison, rural undeveloped land is taxed at a rate of \$115 per acre. Find the tax on the plot of land shown.  
Note: 1 acre  $\approx 43,560 \text{ ft}^2$



3.

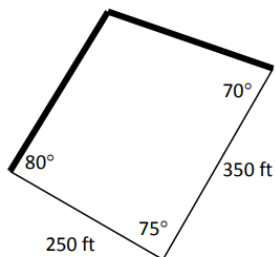
In  $\triangle ABC$ ,  $a = 5$ ,  $b = 8$  and  $c = 7$ .

a. Solve  $\triangle ABC$ .

b. Find the area of  $\triangle ABC$ .

4.

A lakefront plot of land is shown below. What is its area and lakefront footage (bolded sides are lakefront footage)?



5. The diagram shows the dimensions for a sail on a wooden model ship. Find the area of the sail to the nearest square inch.  
**[The angle at the bottom left is NOT a right angle!]**

