Situation:

Farmer Brown wants to put a fence around a triangular shaped field. A rectangular barn is directly next to the field. A diagram is below:

Part A) How long is each side of the field? **Show all work.** **EXPLAIN** what you did and why.
Part B) Farmer brown is not going to put fencing along the side of the field that is right next to the barn, but will along the other two sides. The fencing will cost him $3.79 per foot. What will be the cost of the fencing? **Show all work. EXPLAIN what you did and why.**

Part C) Farmer Brown wants to buy fertilizer for the field. What is the area of the field? **Show all work.**