Surrounded and Covered

Level C

Tex wants to make a lawn in the front of his house. He buys enough sod to make a 10-foot by 30-foot rectangular section of sod for $200 to see how well it grows and how durable it is when played on.

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After a week, he decides he needs a second rectangular section, which means he will need to buy more sod This section of his lawn is double the dimensions of the first lot, so it will be 20 feet by 60 feet. He sends ir check for $400. The sod company calls and says he still owes money for the second order of sod. Explain why he still owes money and how much he owes.

Tex has decided he wants the second part of his lawn to be 100 feet by 120 feet. How much more sod does he need and how much more does he need to pay? Explain your reasoning.