Situation #1:

Gordon bought a 10-ounce box of Sweet Crunch cereal for $3.80 and a 12-ounce box of Sour Soggie cereal for $4.20.

Part A) Use unit rates to find out which cereal has the better value. **Show all work.**

Part B) Use a proportion to determine how much a jumbo box (40-ounces) of Sour Soggie cereal might cost. **Show all work.** **EXPLAIN** what you did and why?

Part C) If the Sweet Crunch cereal is also sold in a 14-ounce box for $5.18, and a 24-ounce box for $9.12, which size box of Sweet Crunch should Gordon buy? **Show all work.**
Situation #2:

On a blueprint of Jeremy’s house, the dimensions of the family room are 4 inches by 6 inches. The scale on the blueprint is $\frac{1}{4}$ in = 1 foot.

Part A) What are the actual dimensions of Jeremy’s family room? Show all work. EXPLAIN what you did and why.

Part B) Jeremy wants to change the dimensions of his family room to 22 feet by 26 feet. What would be the dimensions on the blueprint? Show all work.

Part C) The circular indoor in-ground pool has a diameter of 7 inches on the blueprint. What is the actual area of the pool? Show all work. EXPLAIN what you did and why.