You have decided to purchase a set of goat kids (100) to grow out over the spring and summer months (150 days). Your intention is to pay $80/head for ~ a 40 lb kid.

1. If the selling weights of the goats were 70lbs, what was the average daily gain? _______________ lb/d 2 decimals

2. You expected only .10lb/d gain from pasture alone and decided to supplement the goats to receive additional gain. If you expected the feed conversion of the supplement to be 10:1, how much feed did you feed on the average? _______________ Lbs/hd/d

3. What is the total supplement intake for the group of goats? _______________ lbs

4. If the supplement costs $300/ton, what is the total supplement cost? _______________ $

5. What is the supplement cost of added gain? _______________ $/lb gain

6. If you borrowed 75% of the purchase price at 6% annual interest, how much is your interest cost if you repay your loan after selling your goats? _______________ $

7. Based on a $1.80/lb live price, your projected net return above goat and supplement costs should be __________ for the 100 goats. _______________ $

8. If you had an opportunity to sell your goats on a carcass price basis, what would be an equivalent carcass price to the live price above? Assume your goats will dress 45% _______________ $/cwt, 2 decimals

9. What is breakeven price ($/cwt) you would have to receive to cover your investment in goats and supplement? _______________ $/cwt, 2 decimals

10. If pasture costs were $10/hd, what is your net income on a per head basis? _______________ $/hd 2 Decimals