

Team Name _____

Team Number _____

2014 Block and Bridle Stockmens Contest – Senior Team Problem

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
2decimals
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 100goats. \$
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