

## **Ration Balancing Homework Problems**

- 1) You have a bagged sweet feed that is 10% protein. You need a 14% protein feed to finish your steer, so you will supplement with SBM that is 38% protein. What ratio of feed to supplement should you mix?
  
  
  
  
  
  
  
  
  
  
- 2) You want to feed Pig Master G/F concentrate to supplement your corn ration. You want to feed a 16% mix. Your corn is 9% protein and the concentrate is 40% protein. If you are mixing a 2000 lb batch, how many lbs of concentrate will you mix in and how many lbs corn will you mix in? Does this match the recommended 500 lbs concentrate to 1500 lbs grain that the bag instructs?
  
  
  
  
  
  
  
  
  
  
- 3) You are feeding a growing heifer that needs 14% CP and 75 % TDN. She will eat 20 lbs of feed a day. You want to feed her ground corn, grass hay, and SBM. How many lbs of each feedstuff will you give her? Corn = 9% CP and 80% TDN, Grass Hay = 5 % CP and 50 % TDN, SBM = 48% CP and 85 % TDN.