ANSC 320 - Homework problem 10 Name

Net Energy for Growing & Finishing Beef Cattle

REMEMBER TO SHOW ALL YOUR CALCULATIONS!

1. Calculate the NE_m and NE_g for the following diet.

Ingredient	% of diet	NE_m, Mcal/kg	NE_m supplied, Mcal/kg	NE_g, Mcal/kg	NE_g supplied, Mcal/kg
Barley	75	2.03		1.32	
Grass hay	8	1.06		0.42	
SBM	11	1.85		1.23	
Molasses	6	1.43		0.90	
Total	100	----------		----------	

The diet fed above supplies: _____ Mcal/kg of NE_m, and
_____ Mcal/kg of NE_g

2. What would be the daily gain and feed efficiency of 900 lb growing yearling steers (1,200 lb at finishing) if they ate 2.4% of their body weight (900 lb) per day of the above diet?