Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework 1

Equine Nutrition

1. What are the DE requirements for a 990 lb. mature idle horse?
2. What are the DE requirements for a 1350 lb. mature idle horse?
3. How many pounds of alfalfa hay (sun cured, early bloom) would it take to satisfy the DE requirements for the 990 lb mature idle horse?
4. How many pounds of alfalfa hay (sun cured, early bloom) would it take to satisfy the DE requirements for the 1350 lb mature idle horse?
5. How many pounds of coastal bermudagrass hay (sun cured, 29 – 42 days growth) would it take to satisfy the DE requirements for the 990 lb mature idle horse?
6. How many pounds of bermudagrass hay (sun cured, 29 – 42 days growth) would it take to satisfy the DE requirements for the 1350 lb mature idle horse?
7. What are the DE requirements for an 11 month old weanling gaining 1.5 pounds per day that weighs 600 lbs?
8. What are the DE requirements for a mare in her 11th month of gestation weighing 1050 pounds?
9. How many pounds of alfalfa hay (sun cured, early bloom) would the 1050 pound pregnant mare need to receive to satisfy her DE requirements?
10. How much alfalfa hay(sun cured, early bloom) would an 1100 lb lactating mare need to receive to satisfy her daily DE requirements (assume she is producing 2.5% of her BW in milk/d)? Also, what % BW in hay would she be receiving?

\* 1 kg = 2.2046 pounds

\* Use as-fed numbers on tables