NAME: __________________________  CONTESTANT NUMBER: ___________

Cow Herd Performance Exercise

Circle the correct answer

1. Birth Weight (BW) is expressed in _________________.
   - Inches
   - Centimeters
   - Pounds
   - Square Inches

2. Scrotal Circumferences EPDs are expressed in _________________.
   - Inches
   - Centimeters
   - Pounds
   - Square Inches

3. Height EPDs are expressed in _________________.
   - Inches
   - Centimeters
   - Pounds
   - Square Inches

4. Ribeye Area EPD (RE) is a predictor of the difference in ribeye area of a sire's progeny compared to progeny of other sires, is expressed in _________________.
   - Inches
   - Centimeters
   - Pounds
   - Square Inches

5. Weaning Weight (WW) is expressed in _________________.
   - Inches
   - Centimeters
   - Pounds
   - Square Inches

Matching - place the letter of the correct answer in the blank beside the question.

6. ______6. is the reliability that can be placed on the EPD. An equation of close to 1.0 indicates higher reliability.

7. ______7. is a predictor of a sire's ability to transmit weaning growth to his progeny compared to that of other sires.

8. ______8. is a predictor of a sire's ability to transmit yearling growth to his progeny compared to that of other sires.

9. ______9. is a predictor of the differences in external fat thickness at the 12th rib (as measured between the 12th and 13th ribs) of a sire's progeny compared to progeny of other sires.

10. ______10. is the expected average difference in future progeny performance for postweaning and carcass value compared to progeny of other sires.
11. is a predictor of a sire's genetic merit for milk and mothering ability as expressed in his daughters compared to daughters of other sires. In other words, it is that part of a calf’s weaning weight attributed to milk and mothering ability.

12. are multi-trait selection indexes, expressed in dollars per head, to assist beef producers by adding simplicity to genetic selection decisions. The $Value is an estimate of how future progeny of each sire are expected to perform, on average, compared to progeny of other sires in the database if the sires were randomly mated to cows and if calves were exposed to the same environment.

13. ACC value of less than .65

14. ACC value of .65 - .75

15. ACC value of greater than .75

A. Accuracy (ACC)  B. Weaning Weight EPD (WW)  C. $Value Indexes

D. Yearling Weight EPD (YW)  E. Mature Weight EPD (MW)

F. Fat Thickness EPD (Fat)  G. Calving Ease Maternal (CEM)

H. Weaned Calf Value ($W)  I. Marbling EPD (Marb)  J. Maternal Milk EPD (Milk)

K. High reliability  L. Low Reliability  M. Medium Reliability