



4-H Beef/Dairy Beef

Wayne County
Record Sheet
10-3 Grade 10

Name: _____ 4-H Club _____

Leader Signature: _____ Date: _____

CATTLE STRUCTURAL DIFFERENCES

Fill in the term used to describe the following structural conditions.

Word Bank

knock kneed or splayfooted

cow hocked

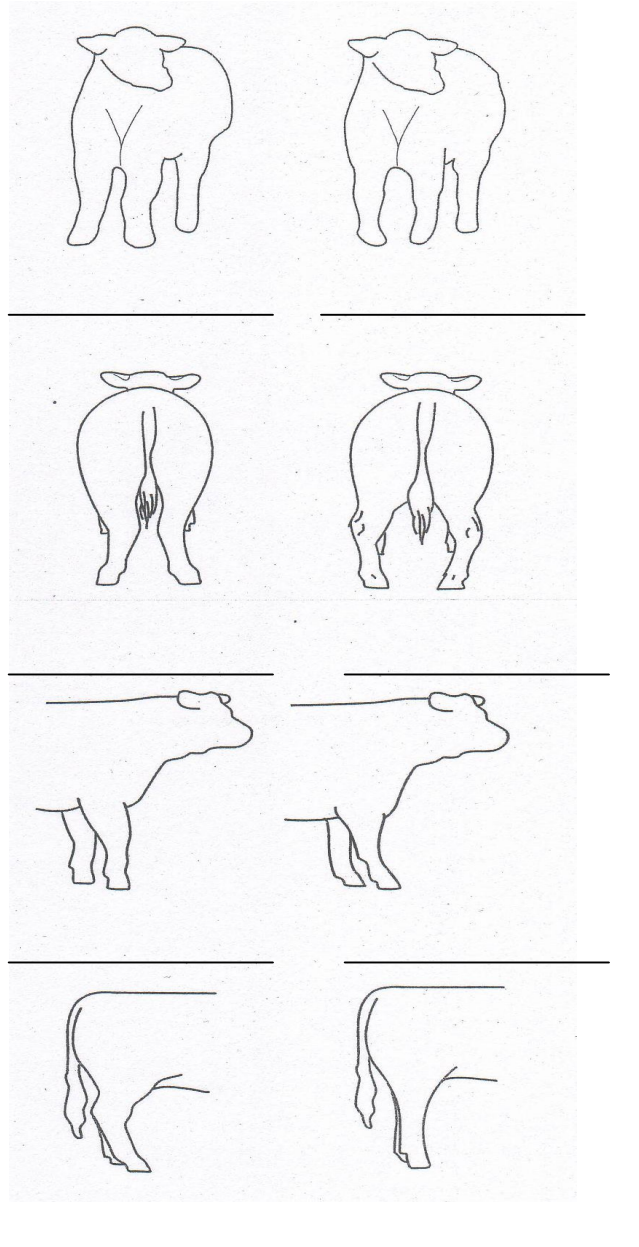
sickle hocked

postlegged

pigeon toed or bowlegged

buck kneed

calf kneed



1. When evaluating breeding cattle, several important characteristics must be examined. These characteristics include:

- A. _____
- B. _____
- C. _____
- D. _____
- E. _____

2. Frame scores are a way of estimating what size cattle will be when they are fully grown. It is based on the height of an animal at the hips, at different ages.

3. Heifer, Age 12 Months, 47.0" Hip Height =	<u>Frame Score</u>
Bull, Age 13 Months, 47.8" Hip Height =	_____
Heifer, Age 20 Months, 58.9" Hip Height =	_____

4. A heifer will come into heat (estrus) sometime after _____ months of age depending on her breed and weight.

5. The estrus cycle repeats every _____ to _____ days until she is bred if nutritional requirements are met and diseases are not present.

6. Depending on the breed, a cow will calve approximately _____ days after conception, the time when the sperm fertilizes the egg. This 283 day period is called _____.

7. After a calf is born, you can help it to start breathing by following these steps.

- 1. _____
- 2. _____
- 3. _____
- 4. _____

8. The general procedure for Artificial Insemination breeding is to follow the _____ rule. If the cow shows signs of standing heat at night, breed her in the morning. If she shows signs of heat in the morning, breed her at night.

9. After a heifer or cow calves, she needs approximately _____% more energy, 50% more _____, 50% more calcium and _____% more phosphorus in her diet. In addition Vitamin A requirement increases about _____%.

Horses, cats, and dogs are not required to complete numbers 2 and 3.

Animals Owned

Animals Name	Breed	Sex	Date of Birth	Date Obtained

1. Expenses for the Animal(s)

Animal(s) *if purchased* \$ _____
 Feed \$ _____
 Bedding \$ _____
 Vet \$ _____

Total Expenses \$ _____

2. Income from Animal(s) *market animals sold* \$ _____

Estimated value of animal to be sold in 4-H Auction \$ _____

Total Income \$ _____

3. Value of breeding animals

Value of your cat or dog

Asset Value \$ _____

\$ _____

Net Profit / Loss \$ _____

Member Signature: _____

Parent Signature: _____

Leader Signature: _____