**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Livestock Math

1. A piglet’s first weigh-in is 55lbs. After being fed for 100 days the pig is weighed again and weighs 200lbs. What was its average daily gain? Show your work and round to the nearest hundredth.

ANSWER: \_\_\_\_\_\_\_\_\_\_\_\_\_ lbs/day

2. A steer is fed 1900 pounds of feed and gains 260 pounds what is the feed conversion ratio of this steer? Show your work and round to the nearest tenth.

ANSWER: \_\_\_\_\_\_\_\_\_\_\_ FCR

3. Formulate 100 lb of a sheep ration containing 22% CP (crude protein) using corn (20% CP) and a commercial supplement (35% CP). Round to the nearest tenth.

ANSWER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Corn and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Commercial Supplement

 Corn Commercial Supplement Crude Protein

**2200 -** \_\_\_\_\_\_\_ **= -\_\_\_\_\_\_\_\_\_**

**-\_\_\_\_\_\_\_\_X = -\_\_\_\_\_\_\_\_\_\_\_**

**\_20\_X + \_\_\_\_\_\_\_\_X = -15X**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_– \_\_\_\_\_\_\_\_\_\_\_\_X**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X

**+**

**× \_\_\_\_\_\_\_\_\_\_**

**X**

**35**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2200**

**=**

X = \_\_\_\_\_\_\_\_\_ (Corn)

X = \_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_

(100-X)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

X = \_\_\_\_\_\_\_\_\_\_\_\_\_ (Corn) 100- \_\_\_\_\_\_\_\_\_\_\_\_(corn) = \_\_\_\_\_\_\_\_\_\_\_\_\_ (Commercial Supplement)