

## Lesson 3: Pork

Name \_\_\_\_\_

## Calculating Percent Muscle

Calculate the percent muscle for the carcasses. Use the following formula and round to nearest tenth. Use the space provided to show your work.

$$88.307 - (.036 \times HCW) - (18.574 \times 10^{\text{th}} \text{ rib backfat}) + (3.734 \times LMA)$$

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$$\times 100 = \% \text{ muscle}$$

170

HCW = Hot carcass weight (pounds)

LMA = Loin muscle area (square inches)

	HCW	10 <sup>th</sup> Rib Backfat Measurement	LMA	Percent Muscle
1	167	.8	5.0	
2	166	.7	4.8	
3	187	.9	7.5	
4	194	1.1	6.8	
5	184	.6	5.5	
6	179	.5	7.0	
7	173	.9	8.7	
8	174	1.2	6.0	
9	172	1.0	4.3	
1.	198	.9	9.0	