

Contestant Number: _____

Name: _____

**Junior Performance Scenario
Yorkshire Breeding Gilts**

No.	Number Born Alive	21-day Litter Weight (lb.)	Days to 250 lb.	Backfat at 250 lb. (in.)	Loineye Area At 250 lb. (sq. in.)	Dam's Sow Productivity Index	Maternal Index*
1	15	225	165	0.81	7.7	119	120
2	10	140	182	0.97	6.5	105	111
3	12	180	156	0.75	8.0	112	115
4	10	160	176	0.85	7.0	110	111

*Maternal Index includes maternal, growth, and carcass traits.

Rank these Yorkshire breeding gilts as replacements in a commercial operation. They will be artificially inseminated to Duroc boars with the goal of producing terminal offspring. All progeny will be sold as market hogs on a carcass basis with payment based on Lean Index. All pigs will be raised in total confinement. The producer profits most from having large litters of fast-growing, lean, heavy-muscled hogs.

Use a judging card to place this class and hand it in along with this paper after answering the questions below!

- _____ 1. Which gilt was farrowed from the least productive sow?
- _____ 2. Which gilt has the best combination of maternal, growth, and carcass traits?
- _____ 3. Between the 2 slower growing gilts, which is more desirable for carcass traits?
- _____ 4. True or False: Gilts 2 and 4 are likely littermates.
- _____ 5. Which gilt's progeny are likely to excel in carcass lean value?