Team Performance and Market Scenario

Team Number:_____

Bill has a market pig (160 days old) that he is taking to show at the county fair. Bill weighs his pig before loading it for the trip to the fair and finds that it weighs 250 pounds. Upon arriving at the county fair, Bill weighs the pig again and finds that it now weighs 240 pounds. 1) Determine the weight per day of age of Bill's market pig (using the weight of the pig that was taken before going to the fair). 2) Determine the shrink of the pig, and 3) determine the percent shrink of the pig.

- **Weight per day of age (WDA)** – the average weight that was gained by an animal for each day of its life.
  - *= weight in pounds ÷ age in days*
- **Shrink –** the difference in an animal's full weight and its empty weight (used to measure the total amount of weight an animal loses while being transported from one place to another). This weight loss is typically the contents of the stomach and intestines that has passed out of the animal.
  - *= full weight – empty weight*
- **Percent Shrink** – the proportion (percentage) of an animal's weight that is lost during transport from one place to another relative to its full live weight before it was transported.
  - *= (shrink ÷ full weight) X 100*

1) Find the weight per day of age of Bill's pig.

2) Find the shrink of Bill's pig.

3) Find the percent shrink of Bill's pig.