



**TARLETON STATE UNIVERSITY**

**DAIRY CATTLE CDE**

**PEDIGREE SCENARIO**

You are an Agricultural Science Teacher assisting a new FFA member in purchasing a dairy heifer. Most people told you to visually inspect the heifer for the characteristics that will make her a good show heifer. You have found 4 heifers that will work for the show ring and can purchase any of the 4 for the same price.

Most of the heifer sellers indicate that the TPI (Type Production Index) is a good way to measure genetic merit of an animal and they will pay more for a heifer with a higher TPI. The student that you are assisting will want to sell the heifer after showing her and you would expect to get more for a heifer with a higher TPI.

Rank the four heifer pedigrees based on TPI and remember the reliability (%R) affects the total score.

**DO NOT WRITE ON ANY PEDIGREE PAGES**



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PEDIGREE #1

Table containing pedigree information for three cows: DELTA WEBSTER-ET, SANDY-VALLEY B-WD FRISCO-ET, and OKLAHOMA FLASH. Each entry includes name, ID, sire, dam, and various performance metrics like PTA, MACE, YIELD, and EVALUATION.





