AS/AVS 472 Assignment: Due Sept. 21.

Milking System Efficiency Homework:

1) Farm A has a double 10 herringbone parlor. One person is in the parlor pit, milks 640 cows in 8 hours, where the wet cow, milk production in pounds per day, is 75#.
    a. How many cows are milked per hour?
    b. How many cows are milked per person per hour?
    c. How many turns are made in the parlor per hour?
    d. Can the herd go to 3x milking? Please explain-

2) Farm B has a rotary parlor. There are 72 stalls, 10 minute turn time, same wet cow average as in Farm A. The herd milks their cows 3x per day. What is the load time, ie., how many seconds does it take a cow to load on to the rotary platform per milking, on average. How many pounds of milk are produced per hour. There are 4 people to man the rotary parlor.

3) Which parlor, the one on Farm A or B, is more efficient and why?