Name:_____, I.D.:_____

IMPORTANT NOTE: SHOW COMPLETE WORK FOR FULL CREDIT.

1.3Q.1.(TB10). Revenue. Suppose consumers will purchase q units of a product at a price of $\left(\frac{100}{q}+1\right)$ dollars per unit.

What is the minimum number of units that must be sold in order that sales revenue be greater than $\$\ 5000$?

Minimum Number of Units: $=$ _____.

3.2Q.2.(TB16). Demand Equation. The demand per week for a best-selling book is equal to 26000 books when the price is equal to $\$\ 16$ each,

and 10000 books when the price is $\$\ 24$ each.

Find the demand equation for the book, assuming that it is linear.

Demand Equation:

$p =$ _____ $q +$_____.

(Where $p = price$ pe book

$and\ q =$ quantity of books)