

7. The school drama club is performing a play at the community theater. Props cost \$250, and the theater is charging the drama club \$1.25 for each ticket sold. So, the total cost  $C$  for the drama club to put on the play is  $C = 1.25N + 250$ , where  $N$  is the number of tickets sold. Customers pay \$4 for each ticket, so the total amount collected from ticket sales is  $T = 4N$ .

a. What is the cost if 213 tickets are sold?

b. How much are the total ticket sales if 213 tickets are sold?

c. What is the drama club's profit or loss if 213 tickets are sold?

d. If the total ticket sales are \$780, how many people attended the play?

e. What is the cost of putting on the play for the number of people you found in part (d)?

f. How many tickets does the drama club need to sell to break even?

HOMEWORK

Name: \_\_\_\_\_