Name_____ Block_____

Linear Systems Word Problems

1) You are trying to make a sweet drink. The first drink with 8% sugar was too sweet. The next drink was 3% sugar, and that wasn't sweet enough. How much of the first two drinks do you mix together to get 3 quarts with 6% sugar?

2) You have dimes and quarters only. If you have 37 coins worth $5.65, how many of each coin do you have?

3) Tickets for the school play are $6 for students and $10 for adults. If 498 tickets were sold for $3700, how many of each ticket was sold?