Word Problems: Systems

Word Problems Practice: Money problems.
Write a system of equations and solve:

1. Anna has a pocket of dimes and quarters. If she has 10 coins worth $1.45, how many of her coins are quarters?

2. Popsicles cost $0.80, and ice-cream cups cost $0.65. If you purchased 9 items for $6.15, how many of the items were popsicles.

Word Problems Practice: Sum/Difference
Write a system of equations and solve:

1. The sum of two integers is 19 and their difference is 10. What is the smaller of the two integers?

2. If I add Mark's age to Tammy's age, I get 39. If I subtract Mark's age from Tammy's age, I get negative 7. What will I get if I multiply Mark's age by Tammy's?

Word Problems Practice
Write a system of equations and solve:

1. Mr. Batterson ordered pizzas for the team. Medium pizzas have 8 slices and large pizzas have 10. If there are 13 pizzas and 108 slices, how many large pizza slices are there?

2. At a toy store, the children's department has bicycles and tricycles. There are 50 total, and 111 wheels. How many bicycles are there?

Word Problems Practice: Time
Write a system of equations and solve:

1. In five years, Kate will be twice as old as Joey. Right now, Kate is 11 years older than Joey. How old is Joey right now?

2. A bucket is full of red marbles and white marbles. There are twice as many white marbles as red ones. If I add seven white marbles, there will be three times as many white marbles as red ones. How many marbles were in the bucket before the white marbles were added?