Quiz #9 Name:

You may only use your textbook, your notes, and your calculator on these problems. You may not use any outside resources, including tutors or solution manuals. Remember that the purpose of these quizzes is to see if you understand what you have learned on your homework, and also to tell you what you still need to study for the upcoming exam. **(NOTE: this quiz is two-sided.)**

1. (2 points) Solve the system:
2. (3 points) Find the Partial Fraction Decomposition for the rational expression:
3. (3 points) The employees from maintenance go for hot chocolate together every day at 9 a.m. On Monday, Hector paid $5.45 for three cartons of milk, four cups of hot chocolate, and seven doughnuts. On Tuesday, Anna paid $5.30 for four milks, two cups of hot chocolate, and eight doughnuts. On Wednesday, Fred paid $5.15 for two milks, five cups of hot chocolate, and six doughnuts. On Thursday, Jill had to pay for five milks, two cups of hot chocolate, and nine doughnuts. How much change did she get back from her $10 bill?
4. (2 points) Identify the 3 types of solutions that result in solving systems of equations. How do you know which type of solution you have when solving?