Advanced Algebra with Trig Worksheet on Word Problems for Systems	Name Date	CP
For each question, you will need to assess what is being asked of you to find, to define an appropriate pair of variables, to write a pair of equations for the scenario, and then to solve your system. On your test, you may be asked any of these things. Check your answers.		
1. Budget Rental allows for single, same-day truck rentals at the price \$39.99 for allows for single, same-day truck rentals at the price of \$75.18 for the day, plus and want to rent a truck to haul their belongings themselves. How many miles we make it worthwhile to rent from Enterprise instead of (the less-expensive, at first	\$0.20 per mile driven. Elan would they have to drive the	na and Dylan are moving
Let = Let =	Equation #1: Equation #2:	
		Answer:
2. When deciding which website to use to launch a charity's online silent auctio options. One website charges \$400, plus 3% of the revenue made in the auction revenue made in the auction. Clearly, the charity would be better off paying \$1 point, they would be better off using the other option. What amount of revenue sense to pay \$400 upfront in exchange for paying just 3% of their revenue?	The other website charge 25 upfront instead of \$400.	s \$125, plus 7% of the However, at a certain
Let = Let =	Equation #1: Equation #2:	
		Answer:
3. (Written by former student Muhammed Diallo) There are 2 candy shops getting ready to sell boxes of candy for Valentine's Day. Store A charges \$5.50 for the box and 75 cents for each piece of candy. Store B charges \$10 for the box and 25 cents for each piece of candy. When will the price of the box and candy at both stores be equal because of the amount of candy purchased?		
Let = Let =	Equation #1: Equation #2:	
	Equation #2.	
		Answer:
4. Maia had 5 more dimes than nickels. In all, she had \$2.30. How many of each coin did she have?		
Let = Let =	Equation #1: Equation #2:	
		Answer:
5. I have a mess of change in my backpack. There are 3 more pennies than twice the number of quarters. I have \$1.38 in pennies and quarters. How much of each type of coin do I have?		
Let = Let =	Equation #1: Equation #2:	Answer: