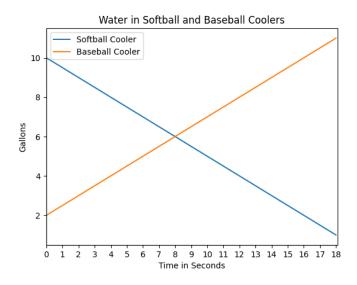
Name:	Date:	
Class:	Teacher:	
Math Mini Quiz 2		
This Mini Quiz, we're going to explore the math assignment should take you about 25 minutes .	concepts that you've	learned so far in this unit. This
Part 1 Jet Skis and Speedboats		
You are running a water sports center. Two of you activities are the jetskis and the speedboat. How company's carbon footprint, you've limited you gallons of fuel per day. Each ride on the jetski (1 gallons. Each speedboat ride (4 people) uses 20 and the speedboat trips take the same amount 1) Express your constraint on fuel using <i>j</i> , the nurides.	wever, to reduce the r company to 80 person) costs 8 gallons. The jetski of time.	and s, the number of speedboat
2) On Monday morning, you have 4 jet ski rides rides. How many speed boat rides can you do o		of the day will be all speedboat
3) You realize you forgot to write down how ma the number of waivers, and you find out you ha	·	

gallons of fuel today. How many of each ride did you do today?

Part 2 Graph Analysis

You're on the varsity softball team. You're at an away game and someone on your school's baseball team comes to you and says they forgot to fill their water cooler! You tell them not to worry because you're happy to share some of your water. You tell them to open the top of their cooler, which already had some water in it, and you start pouring some water into their cooler. As you pour, below are the graphs of the water in each cooler over time.





4) At what time do the coolers have an equal amount of water? How do you know?

5) If each cooler has a capacity of 10 gallons, will the baseball team water cooler overflow or will the softball team run out of water first?

6) Decide how much water you would give to the baseball team (more than 0), and determine how long you should let the water flow from your cooler to theirs.