Music Problem Name_____

Use what you have learned to solve the following problems.

Suppose iTunes charges $2 per song.

How much would it cost you to download 3 songs? How much for 4 songs? For 5 songs? For 10 songs? For 17 songs?

Suppose Napster charges $.50 per song.

How much would it cost you to download 3 songs? How much for 4 songs? For 5 songs? For 10 songs? For 17 songs?

Use tables to help predict the cost of downloads.

# of Songs	Cost

# of Songs	Cost

Use a graph to help predict the cost of downloads.

Pool Problem Name_____

Use what you have learned to solve the following problems.

The San Fernando Community Pool just opened up. Suppose every minute 7 people arrive to go swimming.

How many people are at the pool after 1 minute? After 5 minutes? After 15 minutes?

Develop a rule to predict how many people would be at the pool after 1440 minutes.

Use a table to help predict how many people use the pool.

Time	# of People

Use a graph to help predict how many people use the pool.

Birthday Problem Name_____

Use what you have learned to solve the following problems.

Sara is celebrating her birthday. Her 2 next door neighbors have each given her 1 present. Every hour she receives 3 presents from her friends.

How many presents does Sara get after 4 hours? After 5 hours? After 10 hours?

Develop a rule to predict how many presents Sara would get in 24 hours.

Use a table to help predict how many presents Sara will get.

Time	# of Presents

Use a graph to help predict how many presents Sara will get.

Playstation Problem Name_____

Use what you have learned to solve the following problems.

Juan asks his parents to buy him a Playstation 3 that costs $390. He promises to pay them back $15 each month from his allowance.

How much money will Juan pay back after 7 months?

How much money will Juan pay back after 1 year?

How many months will it take Juan to completely repay his parents?

Use a table to keep track of how much money Juan owes his parents each month.

# of Months	Amt. Owed

Use a graph to show how much money Juan owes his parents.

Car Problem Name_____

Use what you have learned to solve the following problems.

Your parents buy a new car that costs $24,000. The value of the car depreciates by $2,000 each year.

How much will the car be worth after 5 years? After 8 years?

After how many years will the car be worth $0?

Use a table to help keep track of the value of the car.

Years	Value of Car

Use a graph to help keep track of the value of the car.