Day 6: Joint, Marginal, & Conditional Frequencies **Name:**_____

Practice Assignment **Block:** _____

1. Use the table below to determine the following relative frequencies. You must show your fraction for each question.

Favorite Lunch Item of Students

Class	Pizza	Salad	Chicken	Burger
Class A	12	3	10	8
Class B	9	8	13	5
Class C	7	9	7	12

a. What percent of students are from Class A?

b. What percent of students prefer pizza?

c. What percent of students prefer salad and are from Class B?

d. What percent of students prefer burgers and are from Class C?

e. What percent of students in Class B prefer Chicken?

f. What percent of students who prefer salad are from Class C?

g. What percent of students who prefer pizza are from Class A?

2. Use the table below to determine the following relative frequencies. You must show your fraction for each question.

Grades of Students

Class	A	B	C	D	F
Computer Programming	7	13	12	1	2
Journalism	8	11	4	1	0
Cinematography	15	9	8	1	0

a. What percent of students have a B?

b. What percent of students are taking a journalism class?

c. What percent of students have an A in Cinematography?

d. What percent of students are failing Computer Programming?

e. What percent of those in Journalism are failing?

f. What percent of those with a C are in Computer Programming?

g. What percent of those with a B are in Cinematography?

3. The following table shows the results of the color and type of vehicle recently purchased at a car dealership last month. Use the table below to determine the following relative frequencies. You must show your fraction for each question.

Car Type \ Color	Red	Black	White	Green	Navy	Total
Sports Car	5	4	2	2	0	13
SUV	0	7	5	3	6	21
Sedan	2	1	3	2	1	9
Minivan	5	0	1	2	1	9
Total	12	12	11	9	8	52

a. What percent of people bought a SUV?

b. What percent of people bought a minivan?

c. What percent of people bought a red car?

d. What percent of people bought a navy car?

e. What percent of people bought a green sedan?

f. What percent of people bought a black SUV?

g. What percent of those who bought a sport car bought a red one?

h. What percent of those who bought a white car bought a SUV?

i. What percent of those who bought a minivan bought a red one?

j. What percent of those who bought a navy car bought a sports car?

k. Which combination(s) of color and type was the most popular?

l. Which combination(s) of color and type was the least popular?