

- Enter this data into L2 (use part b from above if you need help)
- Run LinReg  $a+bx$ , what data do you get as an output? Write 1-2 sentences explaining these pieces of data are.
- (Optional)** Can you figure out how to make a scatter plot of this data using L1 as  $x$ , and L2 as  $y$  axis?

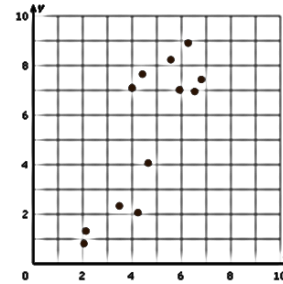
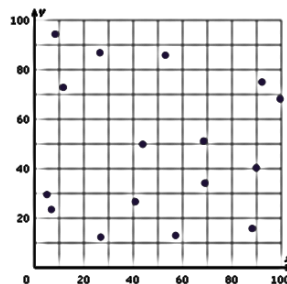
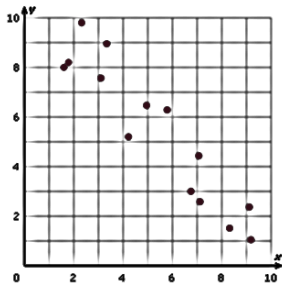
- 3) Answer the following questions based on the two – way frequency table. Over a weekend, Marshall counted the number of single scoop ice creams ordered at his store. He tracked the flavors and the day on which it was ordered.

	Saturday	Sunday	Total
Chocolate	1	1	2
Vanilla	3	1	4
Cookie Dough	2	3	5
Total	6	5	11

- What is the probability of someone buying a Chocolate ice cream on Saturday?
- What is the probability of some buying Vanilla ice cream?
- What is the probability of it being Saturday on the days observed?
- What is the probability of buying cookie Dough on Sunday?

4)

- Tell whether each of the scatterplots has a positive trend, negative trend, or no trend. (**Direction**)



- Tell whether each of the scatter plots has a strong, weak, or no correlation (**Strength**)
- Tell whether each of the scatter plots has a linear or non-linear pattern forming. (**linear or not**)

**Requirements:**

**For #1 and 2:** Your final product should be Typed, MLA format, 12 point font, 1.5 spaced, Times New Roman.

**For #3 and 4,** you may write on this page and attach it.