Names of Group Members:
1 In Class Activity - Submission
After you are done answering the questions in your groups. Write combined solutions to this sheet. Note that will not receive points merely by writing down the answer. Show your work.
Q1. What is the probability that a randomly selected Bob Ross painting will have a tree in it?
Q2. What is the probability that a randomly selected Bob Ross painting will have a tree and a mountain?
Q3. You sat down and are watching an episode of <i>The Joy of Painting</i> . Bob Ross has already painted a mountain, what is the probability that this painting will have a tree?

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Q4. Do the events of a painting having a tree and a paseem independent? Why or why not?	inting having a mountain
Q5. Fill in the blanks in the code below for the plot of	un vour handout
bob_ross %>%	n your nandous.
<pre>ggplot(aes(x =,</pre>)) +
Q6. Based on the data on your handout, calculate the as well as the variance.	e expected household size