For each of the following situations, decide if you would model using a regression or classification model. Discuss your reasoning with your mentor next time you meet.

1. The amount a person will spend on a given site in the next 24 months.
   * Regression, I would expect the amount to vary continuedly
2. What color car someone is going to buy.
   * Classification: colors are categorical
3. How many children a family will have.
   * Either a classification or regression because there are limit to how many children someone has, and it can only be whole integer values
4. If someone will sign up for a service.
   * Classification, it can only take two values signed up or not
5. The number of times someone will get sick in a year.
   * Regression, could use classification but there would be too many categories.
6. The probability someone will get sick in the next month.
   * Classification because its sick and not sick
7. Which medicine will work best for a given patient.
   * Classification, the categories will be made of the list of medications and the outcome will be works or does not work.