Classwork on Joint, Marginal, and Conditional Relative Frequency

A group of 40 randomly selected Kimball High students were surveyed about what their favorite flavor of ice cream was. The data is provided below:

	Vanilla	Chocolate	Other	Total
Boys	4	8	3	15
Girls	6	14	5	25
Total	10	22	8	40

For each problem,

a) Decide whether what is being asked is joint relative frequency, marginal relative frequency, or a conditional relative frequency.
b) Find the relative frequency.
   (<u>Given answers as a simplified fraction and Percent</u>)

1. The frequency of liking Vanilla over the other choices.

2. The frequency of liking chocolate being that they are a girl.

3. The frequency of a girl liking chocolate.

4. The frequency of a boy given that they said they prefer OTHER.

5. The frequency of a boy who likes vanilla.

6. The frequency of all the girls surveyed.

Relative Frequency	Type of Frequency