1. Given the following information, determine the relative frequency

<u>Outcome</u>	<u>Frequency</u>	Relative Frequency
а	5	
b	3	
С	2	

- 2. Suppose we flip a coin twice and observe the resulting sequence of heads and tails.
- a. (2 pts.) What is the resulting probability distribution?

- b. (2 pts.) Sketch the corresponding histogram.
- 3. (3 pts.) Given the following information, what is the probability distribution for random variable X^2 ?

$$\underline{k}$$
 $\underline{Pr}(X^2 = \underline{k})$