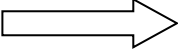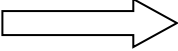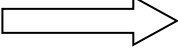EQ:

- Terms to Recall:

❖   New Terms:

Generally, statisticians use a _____ to represent a _____ and a

_____ letter, to represent one of its _____.

For example,

_____   ⟹   _____

_____   ⟹   _____

_____   ⟹   probability that the _____ is

    equal to a particular value, denoted by_____.

As an example, _____ refers to the _____that the

_____ is equal to ____.

❖ Consider flipping 2 coins.   Possible outcomes _____

- Complete the table below, which associates each outcome with its probability.

    <u>Number of Heads</u>   <u>Probability</u>

<u>Probability Distribution</u> --- a _____ or an _____ that links each

_____of a statistical experiment with the _____of its _____.

Probability Distributions describe what will _____ instead of what

will _____.
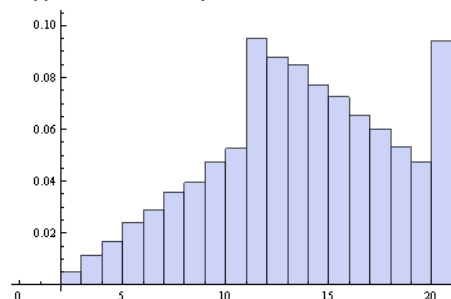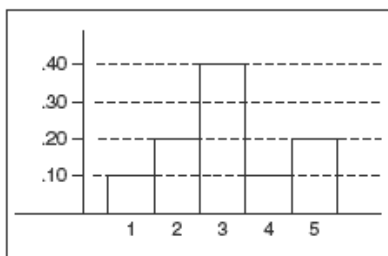
Requirements for a Probability Distribution:

1.

2.

Ex. Is the following a probability distribution?
   State a reason for your answer.

x	P(X = x)
0	0.16
1	0.18
2	0.22
3	0.10
4	0.3
5	0.01

Ex. Is the following a probability distribution?
State a reason for your answer.

x	P(X = x)
0	0.16
1	0.18
2	0.22
3	0.10
4	0.3
5	0.04

Probability Histogram --- a histogram in which the _____ corresponds

to the value of the _____ and the _____ represents the

_____ of that _____of the random variable.

❖ Complete In Class Practice Problems
❖ Assignment: Practice Worksheet Probability Distributions