

SAMPLING LAB

Name: _____

Instructions: This lab helps to demonstrate the ideas of sampling. Select 5 cards at random (without replacement) from the deck of index cards.

Record your sample values:

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

Characteristics of your sample (fill in later):

The sample mean, \bar{x} : _____

The sample standard deviation, s : _____

$\bar{x} - 2.776 s/\sqrt{5}$: _____

$\bar{x} + 2.776 s/\sqrt{5}$: _____

$\bar{x} - 4.604 s/\sqrt{5}$: _____

$\bar{x} + 4.604 s/\sqrt{5}$: _____