Ch.14 Test: tomorrow!

- Handwritten notes on a 3x5 index card may be used.
- A calculator is required.



• Complete review#1and #2.



- Refer to ch.14 Prob/Stats sheet for extra practice (green)
- Study probability notes (gold sheet)

One 3x5 card of notes may be used on the ch.14 test. You may write formulas, calculator commands, and examples on both sides of the index card.



The index card will be stapled to your test and handed in on Thursday.

Some suggestions for index card:

Calculator commands:

2nd DISTR

2:normalcdf(*lower, upper,* μ *,* σ)

To calculate one variable statistics, press: STAT >CALC 1:1-Var Stats <enter> L₁ <enter> Normal curve: 68% 95% 99.7%

Binomial Theorem:

binompdf(<u># trials</u>, <u>probability of desired event</u>, <u># of occurrences</u>) n r

binomcdf(<u>**#trials**</u>, prob of desired event, maximum **# of occurrences**)

"exactly" \rightarrow binompdf

"at most" or "no more than" \rightarrow binomcdf

"at least" → 1 – binomcdf (# trials, prob, occurences – 1)



events. P(A or B) = P(A) + P(B) - P(both)

Conditional Probability reduces the sample space since an event has already occurred.



NOT PROVIDED ON TEST!!

•52 cards \rightarrow 4 suits (spades, hearts, clubs, diamonds) • Each suit has 13 cards • Face cards: Jack, Queen, King Aces are low unless stated otherwise (Ace = 1)







This PowerPoint of notes isn't all inclusive. You will find other useful formulas, notes, and calculator commands in your Ch.14 notes that are not included in this presentation.

Ch.14 review#1 CHECK ANSWERS

problem #4

4. Enter the following values into a calculator and sort.

8 23 11 34 35 12 15 47 51 61 56 48 12 35 62 49 47 28 44 68 35 42 53

- a. Complete the frequency table, then sketch a histogram.
- b. Create a stem-and-leaf plot.
- c. State the mean, median, mode, and standard deviation.



n.		stem	leaf
interval	frequency		R
0-10	1	Ĭ	1225
10-20	4	2	38
20-30	2		1555
30-40	Ч	ן <u>כ</u> ו	247799
40-50	L L		13/
50-60	3	ל י	1 2 51
60-70	3	6	
		kev:	I = GI

check answers #3-4						
14	17	17.49	18	20		
25	35	38.0	9	42		
1	2 3	3 4	4	6		

Ch.14 review#1 CHECK ANSWERS



- 3. Enter these quiz scores into a calculator: 14, 18, 16, 20, 22, 18, 19, 20, 25, 18, 16, 18
 - a. State the five-number summary.
 - b. Sketch a box-and-whisker plot.

min = 14 Q₁ = 17 med = 18 Q₃ = 20 max = 25