Ryan Yang 404 904 494 Section 1 A

week 3 Home Work

3.2) b

3.6

b

(a) 67+11+7+7+5 = [19.4 = mean]

Standard deviction = 26.70

30 40 50 60 70 Billionaires

0/67 is faithest from the men since 12's 47.6 from the mean while other numbers don't even come close being 47.6 from the meun.

3.12

a) The means are higher for shose in pre algebra

b) The mean is higher for mosthers

[Pre-Agebon Mothers have the smallest standard deviation

3.16 Group A since de gaph is less distributed about the neur 3 have greater spread.

3.18

a 52,2 cm + 2,5 cm = 54,7 cm 52,2 cm - 2,5 cm z 49,7 cm

The ange is 49.7 cm to 54.7 cm for 1 std Deviation

54 cm is not more than I still derection above the mean since 84-52.2 < 1 meaning it is under I still deviation

1600 - 2400) _ -2

3200 - 24.00 = 2 Thus, since Std deviction is 2, I believe 95%, of northeastern States have crime rites between 1600 \$ 3200

b) 2800 - 2400 = 1 2000 - 2400 = 1

Since Stil deviation is 1, I believe 68% of north easter Istates would have crime rates between 2000 \$ 2400

C) No since that would be an orther since 400-24001, & 6 std devatur anery from mean Which is unusual

a) & some = -1-2-x - 64 =7 -3 = x - 64 x = 61 | hught of woman with -1 & score D = 3 Score = 70 - 64 = 2 = 3 Score 3.34 They are both the same since verther lie 2 std devictions away from the mean 1272 ± 9 is still only 1 still deviction away for babies born 9 days early/late. Thus, they would both occur in equal chance. Also, since they are a std dieviation away, a) X-500 = -1,5 => -150 = x-500 | SAT Score = 350 for z score of -1.5 SAT score with Z score of 1.8 13 680 x-500 = 1.8 x-500 = 180 x= 680 3.42 | Median is 218 + 217 = 217,5 Intergrathle range = Q3-Q1= 268 - 1986 = 70 Q, = 198 Q3 2 268 368 If I was a player, I would use the median sulary since there is such a large discrepancy, dut if I was the owner, I would use the average since that number is much higher, debonding the owners are ment outhat the workers not needed; For one player, they would say their salary is law & demand an increase with the median. There is a huge grap due to outliers or shape

3.	SZ Ryan Yane
a]/	Mean 3 std devention since there are more duty points close to the center 404 904. 3 since the shape is ibell shaped
<u>b</u>	I would say median & intergretable range since solution has greater spread to the right
<u>c</u>	Mulian since outliers are present in Town B
d	Men 3 Medan are closer in Town A since shape is bell shaped 3 symmetric
	Town B would have new B medians further apart since there is skew in the graph to the right
	en have a greater variation in
·	SO SO
	M ,C

Hone work Poll.

Yes, I am a laptop 3 can bring it to class