| ¥ | Homepork-8x Page |
|---|--------------------------|
| | I. Happen SE or bade 305 |
| | a. + 1.18 = 1.341 |
| | p. 40.02112 = 1.423 |
| | (· +0.05,25 = 1.708 |
| | q. 40.024 do = 5.88d |
| | e. to.005,40 = 2.704 |
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5 buppour 35 ou bade 305 To calculate a say, confidence interval 2 x 16, sixt + F & Criven data Sample mean (x) = 1584 Sample shundard deviation 151=607 Confidence lovel = 391. (x=0.01) Jodesof at hosgam (94) = 4-1 210 to.000, 19 is 2.86I * Considerne Interval Calculation * 1289 X (198.21 7 POS The 991. considering interval for the true (1182.68 + 1845.31) Acres to proak is Interpretation! We are 99's confident that the true mean number of cycles to break for this type This means that it we repeated this string many times, 991, or the intervals calculations they way would workin the true paper NOONS.

8. buppen 35 (a) ou bade 303 600 Creavise, Sample size 1=20 Sample mean 7 = 0.9255 Sample extandard deviation 50000 Standard onor (SE) = 5 =0.0803 ≈ 0.0181 Considence love! 954. Dogree of freedom! 220-1 =19 Critical value from tholo, 40.050 113 to.025,19 = 2.093 Compute the Margin of = 5.033 X 0.0181 = 0.0379 3M + F 0.9255 ± 0.0379 10.88-16,0.9634 - Interpretation! with 95% confidence, the true mean rag serong. This wood? Apop it me work of state ongo 2031 of se many sample so men about 95% of samples would yield a mean cadence

