Hi, All

For Homework 5 please attempt the following questions from the textbook. It will be due 2/28.

Page 294: 9.36, 9.38, 9.41

36. (rad50)(78.3-u1)/5.6=(rad50)(87.2-u2)/6.3=1.65

78.3-u1=1.3067, u1=76.99.

,u2=85.73, 85.73-76.99=8.74

38. 85-u1=1.574, 81-u2=2.21

U1=83.426, u2=78.791,

83.426-78.79=4.635

39. 84-u1=3.438, 77-u2=3.63

U1=80.562, u2=73.37.

Ui-u2=7.92.

[S(p)]^2 = [(n1-1)(s1)^2 + (n2-1)(s2)^2]/(n1+n2-2)

|x1-x2|+t(n1+n2-2;a/2)\*s(p)\*(1/n1 + 1/n2)= ans.

41. (13(2.25)+15(3.24))/28=2.78

2+2.763(2.78(.134))^(1/2) ~ 3.684

17+-3.6864~(13.3136,20.6864)

19+-3.6864~(15.3136,22.6864)

43. (11(25)+11(37.21))/22=31.105

1800+2.074(31.105(.167))^(1/2)=1804.727

36300+-1804.727~(34495.273,381044.727)

38100+-ans1~(36295.273,39904.727)

92. ((8.4)^2 + (10.789)^2)/2=93.48.

40.6+2.201(93.48(.408))^(1/2)=54.2

40.6-eq2=27.

U=|27-54.2|=27.2