$$\frac{\overline{\chi_1} - \overline{\chi_2}}{\sqrt{\sqrt{|\chi_1|} + (1/nz)}}$$

Scenario 2
$$t_{13} = \frac{3.03 - 7.88}{\sqrt{0.74[(1/16) + (1/23)]}} = 0.9143$$

$$t_{13} = \frac{2.63 - 2.88}{\sqrt{0.714 \left[(1/21) + (1/23) \right]}} = -1.6435$$

Scenario 1

Scenario 1

$$t = \frac{(X_1 - X_2) - (u_1 - u_2)}{\sqrt{3p^2 [(1/n_1) + (1/n_2)]}}, \quad 5p^2 = \frac{(n_1 - 1)5_1^2 + (n_2 - 1)5_2^2}{n_1 + n_2 - 2}$$

Group 2.3 =
$$5p^2 = \frac{(16-1)(0.523)^2 + (23-1)(0.488)^2}{16+23-2} = 0.2584$$

$$t = \frac{(3.03-7.88)-0}{\left[0.2584\left[(1/16)+(1/23)\right]} = 0.8664$$

Group 1.3:
$$4p^2 = \frac{(21-1)(0.496)^2 + (16-1)(0.523)^2}{21+16-2} = 0.2578$$

$$t = \frac{(3.03 - 2.63) - b}{\sqrt{0.7118[(1/16) + (1/21)]}} = 2.3740$$