(1)
$$S = \sqrt{\frac{\Sigma(\chi_1 - \bar{\chi})^3}{N - 1}} = \sqrt{\frac{\Sigma \chi_1^3 - N \bar{\chi}^3}{N - 1}}$$

= $\sqrt{\frac{1284 - 6 \times 14.33^3}{5}} = \sqrt{\frac{10.38}{10.38}} = 3.22$

$$\chi^{1-\frac{2}{4}} (\mu^{1-1}) = \chi^{0.2}(g) = 5.33$$

$$\chi^{\frac{2}{4}} (M-1) = \chi^{0.02}(g) = (7.21)$$

$$\left(\underbrace{ \underbrace{ \underbrace{ 8 \times 4.2 \gamma^2}_{\lambda_{0.05}^2(8)} }_{\lambda_{0.05}^2(8)} \cdot \underbrace{ \underbrace{ \underbrace{ 8 \times 4.2 \gamma^2}_{\lambda_{0.05}^2(8)} }_{2.73} \right) = \underbrace{ \underbrace{ \underbrace{ \left(687.46}_{15.71} \cdot \underbrace{ \left(87.46}_{2.713} \right) \right) }_{2.73}$$

$$\left(\frac{S_{1}^{2}}{S_{2}^{2}} \times \frac{1}{\left[\prod_{k} \left(\Pi_{1}, \Pi_{2}^{-1}\right)^{2} \times \frac{S_{1}^{2}}{S_{2}^{2}} \times \frac{1}{\prod_{l=\frac{1}{2}} \left(\prod_{l=1}^{2} \prod_{l=1}^{2} \left(\prod_{l=1}^{2} \prod_{l=1}^{2} \frac{Q_{1}^{2}}{2! \cdot 15^{2}} \times \frac{1}{3.44} \times \frac{Q_{1}^{2}}{2! \cdot 15^{2}} \times \frac{1}{3.44} \times \frac{Q_{1}^{2}}{2! \cdot 15^{2}} \times \frac{1}{0.26}\right)}\right)$$