(b)

(c).

$$= Eq: [lug] = \frac{\frac{1}{26;2}}{\frac{1}{26;2}} = Eq: [lug] = \frac{2i-\mu_i^2}{26;2}$$

= Eq. [lug
$$\frac{1}{6}$$
; exp $s = \frac{(z_1 + u_1)^2}{26$; $\frac{1}{2}$ - lug exp $s = \frac{z_1^2}{2}$ }

$$= - (\omega_0 6) - \frac{1}{2} E_{q_1} (\frac{(2i - \mu_1)^{\frac{1}{2}}}{6i^{\frac{1}{2}}}) + \frac{1}{2} E_{q_1} (2i)$$

$$= - \log 6i - \frac{1}{2} \left(1 + 0^{2} \right) + \frac{1}{2} \left(6i^{2} + \mu i^{2} \right)$$

$$= -\frac{1}{2} - (\log 6; + \frac{1}{2} (6; + M_1^2))$$

d1

$$\overline{t}_{\mathcal{E}} \nabla_{\theta} t_{i} = \overline{t}_{\mathcal{E}} \left(\begin{array}{c} \frac{\partial \epsilon_{i}}{\partial \mu_{i}} \\ \frac{\partial \epsilon_{i}}{\partial \epsilon_{i}} \end{array} \right)$$

$$\overline{E_{\mathcal{E}}(\frac{\partial f_{i}}{\partial u_{i}})} = \overline{E_{\mathcal{E}}[\frac{\partial f_{i}}{\partial u_{i}}]} = \overline{E_{\mathcal{E}}[\frac{\partial f_{i}}{\partial u_{i}}]}$$

$$= E_{2} \left[\frac{2(-\mu_{1})^{2}}{2(2\pi)^{2}} + \frac{2(-\mu_{1})^{2}}{2(2\pi)^{2}} + \frac{2(-\mu_{1})^{2}}{2(2\pi)^{2}} \right] = E_{2} \left[\frac{2(-\mu_{1})^{2}}{2(2\pi)^{2}} + \frac{2(-\mu_{1})^{2}}{2(2\pi)^{2}} + \frac{2(-\mu_{1})^{2}}{2(2\pi)^{2}} \right]$$

$$= E_{\mathcal{E}} \left[\text{Ot} \right] \frac{\partial \left(\mathcal{M}_{i} + \beta_{i} \mathcal{E}_{i} - \mathcal{M}_{i} \right)^{2}}{\partial \mathcal{M}_{i}}$$

$$= \left[\mathcal{M}_{i} + \beta_{i} \mathcal{E}_{i} - \mathcal{M}_{i} \right]^{2}$$

$$= \frac{\partial \left(\mathcal{M}_{i} + \beta_{i} \mathcal{E}_{i} - \mathcal{M}_{i} \right)^{2}}{\partial \mathcal{M}_{i}}$$

$$= E_{\varepsilon}. L_{s}^{1} \frac{\partial \varepsilon^{2}}{\partial \mu_{i}} + \mu_{i} + \epsilon_{i} \varepsilon_{i}$$

$$F_{\varepsilon}(\frac{\partial t_{i}}{\partial \delta_{i}}) = F_{\varepsilon} \left[\frac{1}{-6} + \frac{\partial \left(\mathcal{K}_{i} + \mathcal{K}_{i} \varepsilon_{i} - \mathcal{K}_{i} \right)^{2}}{26i} + \mathcal{E}_{i} \left(\mathcal{M}_{i} + \delta_{i} \varepsilon_{i} \right) \right]$$

$$= \overline{E} \mathcal{E} \left[\overline{L} - \frac{1}{6i} + \frac{\partial \mathcal{E}_{i}^{2}}{\partial G_{i}} + \mathcal{E}_{i} \left(\mathcal{W}_{i} + G_{i} \mathcal{E}_{i} \right) \right]$$

$$=-\frac{1}{6}+6$$

$$= \left(\begin{array}{c} M_i \\ G_i - \frac{1}{G_i} \end{array} \right)$$