$$\begin{split} \hat{H}\hat{A} \\ \frac{d}{dt}\hat{A}_{H} &= \left(\frac{\partial \hat{A}}{\partial t}\right)_{H} + \frac{1}{i\hbar} \left[\hat{A}_{H}, \hat{H}\right] \\ (1) \\ H\hbar \\ [\cdot, \cdot] \\ \frac{d}{dt} \langle \hat{A} \rangle &= \left\langle \frac{\partial \hat{A}}{\partial t} \right\rangle + \frac{1}{i\hbar} \langle [\hat{A}, \hat{H}] \rangle \\ (2) \\ \frac{d}{dt} \langle A \rangle &= \left\langle \frac{\partial A}{\partial t} \right\rangle + \langle \{\{A, H\}\} \rangle \\ (3) \\ \frac{d}{H} \\ \frac{A}{H} \\ \langle A \rangle \\ \{\{\cdot, \cdot\}\} \} \\ &= \left\{ \{f, g\} \} = \frac{2}{\hbar} f \sin \left[\frac{\hbar}{2} \left(\sum_{i} \overleftarrow{\partial}_{q_{i}} \overrightarrow{\partial}_{p_{i}} - \overleftarrow{\partial}_{p_{i}} \overrightarrow{\partial}_{q_{i}} \right) \right] g \\ (4) \\ f_{i} \\ f_{i} \\ g_{i} \\ g_{i} \\ g_{i} \\ f_{i} \\ g_{i} \\ f_{i} \\ g_{i} \\$$

$$\frac{d}{dt}\langle q \rangle = \frac{1}{m}\langle p \rangle$$
(8)
$$\frac{d}{dt}\langle p \rangle = -\left\langle V_q^{(1)} \right\rangle$$
(9)
$$\frac{??\langle V_q^{(1)} \rangle}{dt} \langle V_q^{(1)} \rangle = \frac{1}{m} \left\langle V_q^{(2)} p \right\rangle$$
(10)
$$\langle V_q^{(2)} p \rangle$$

$$\langle V_q^{(2)} p \rangle$$

$$\frac{d}{dt} \left\langle V_q^{(2)} p \right\rangle = \frac{\left\langle V_q^{(3)} p^2 \right\rangle}{m} - \left\langle V_q^{(1)} V_q^{(2)} \right\rangle$$

$$????$$

$$M$$

/17(3)...2

$$\begin{array}{l} \frac{1}{\rho_{q}} = \\ \langle q \rangle \mu_{p} = \\ \langle p \rangle \sigma_{q} = \\ \sqrt{((q - \mu_{q})^{2})} \\ \sqrt{((p - \mu_{p})^{2})} \\ q = \\ \sqrt{(p - \mu_{p})} / \sigma_{q} \\ p = \\ p - \\ p = \\ p - \\ p = \\ p - \\ p = \\$$

 $P_N(q,p) = \sum c_{kl} f_{kl}(q,p)$