Chapter 3 - Ex 47 A: Q(0;0°)= Sp(DolDg;0°) [n [P(Dg,Db10)] dDo = Epp[ ( mp c Dg, Db lo] = ZEROLINT(NRg, NRD(A)] = ] [ ( ( ) ( p ( p , | 3 ) ) + [ ( p ( p 2 | 9 ) ) + [ n ( p ( p 2 | 9 ) ) ] . P ( P32 | N31=2;0°) ( N32 = - (N() (1)) - F() (2) (D3, 1=2: 0) (D32 + ( +x (n(p(x)(0)). p(x)=2;0; ) dx32 + J= (n(p(1/2)), p(1/2) x31=2; 0°) dx32 = (v(p(x,10)) + (v(p(x,10))) + J-A | u [\$( (\frac{\partial}{\partial}) |\theta)],\$ (\partial) = 2; \theta^{\circ}) d x32 \$ K = J-100 (NIP((x))) P[P22 | P31=2; 00) UP32  $=\int_{-\infty}^{+\infty} \left( \sqrt{p} \left( \frac{p_{31} \circ 2}{p_{12}} \right) |\theta\rangle \right) \frac{p(p_{31} \circ 2)}{p(p_{31} \circ 2)} \sqrt{p_{32}}$   $\neq p(\mathbf{N}_{1}) \sim \int_{-\infty}^{\infty} \frac{1}{p_{1}} e^{-\frac{\mathbf{N}_{1}}{p_{1}}} \sqrt{p_{130}} \frac{1}{p_{130}} \sqrt{p_{32}}$   $=\int_{-\infty}^{\infty} \left( \sqrt{p_{11}} e^{-\frac{\mathbf{N}_{1}}{p_{11}}} \sqrt{p_{130}} \right) \sqrt{p_{130}} \sqrt{p_{130}}$   $=\int_{-\infty}^{\infty} \left( \sqrt{p_{11}} e^{-\frac{\mathbf{N}_{1}}{p_{11}}} \sqrt{p_{130}} \sqrt{p_{130}} \right) \sqrt{p_{130}}$   $=\int_{-\infty}^{\infty} \left( \sqrt{p_{130}} e^{-\frac{\mathbf{N}_{1}}{p_{11}}} \sqrt{p_{130}} \sqrt{p_{130}} \right) \sqrt{p_{130}}$   $=\int_{-\infty}^{\infty} \left( \sqrt{p_{130}} e^{-\frac{\mathbf{N}_{1}}{p_{11}}} \sqrt{p_{130}} \sqrt{p_{130}} \right) \sqrt{p_{130}} \sqrt{p_{130}}$   $=\int_{-\infty}^{\infty} \left( \sqrt{p_{130}} e^{-\frac{\mathbf{N}_{1}}{p_{130}}} \sqrt{p_{130}} \sqrt{p_{130}} \sqrt{p_{130}} \right) \sqrt{p_{130}} \sqrt{p_{130}}$ 

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$$\Rightarrow (3+\theta_2) - 2\partial_1(2+\frac{\theta_2}{4}) = 0 \qquad D$$

$$\frac{2}{2}\frac{\partial}{\partial\theta_{2}}(\partial_{1}\partial_{1}^{*}) = -\frac{1}{20}(-\frac{1}{4}(\mu(\partial_{1}\partial_{2}) - (2+\frac{\partial_{1}}{4})\frac{1}{\partial_{1}\partial_{2}}\partial_{1})$$

$$=-\frac{\theta^2}{2}-\frac{\theta^3}{4}\left[\ln(\theta_1\theta_2)-2\theta_1-\frac{\theta^3}{4}=0\right]$$