A)
$$\frac{\partial}{\partial x_{i}} \left(\ln(ax_{i}x_{2} + bx_{i} + cx_{i}^{2}) \right)$$

$$\begin{vmatrix} ax_{i}x_{2} + bx_{i} + cx_{i} \\ ax_{i}x_{2} + bx_{i} + cx_{i} \end{vmatrix}$$

$$= a - \frac{1}{-a} e^{-a(x-b)}$$

$$= -e^{-a(x-b)} \begin{vmatrix} e^{ax_{2}} \\ e^{-a(x-b)} \end{vmatrix}$$

$$= -e^{-a(x-b)} \begin{vmatrix} e^{-a(x-b)} \\ e^{-a(x$$

