Question 
$$3 cont$$
.

Let  $2 = 3a + 3p = \Delta x^2 | f'''(x)| + |f(x)| \varepsilon$ 

Want to find min:

$$\frac{\partial f}{\partial \Delta x} = \Delta x | f'''(x)| - |f(x)| \varepsilon$$

$$\frac{\partial f}{\partial \Delta x} = 0$$

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$$\frac{\partial f}{\partial x} = \frac{|f(x)| \varepsilon}{|f'(x)|} \times |f''(x)|$$

$$\Delta x^2 = \frac{|f(x)| \varepsilon}{|f'(x)|} \times 3\varepsilon$$

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$$\frac{\partial f}{\partial x} = \frac{|f''(x)|}{|f''(x)|} \times 3\varepsilon$$