3.10ad*

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$$L_{1} f = \frac{38^{4}}{8^{5} + 4}, \quad f(0) = 3$$

a)
$$v(t) = e^{t} f(t) \theta(t)$$
 $g(t)$

$$g(t) = f(t) \cdot g(t) \longrightarrow l(0f) = \frac{3s^{2}}{s^{2}+1}$$

$$e^{+}g(+) \mapsto \frac{3(s-1)^{7}}{(s-1)^{5}+1}$$

$$\int$$

$$f(3+)O(+) \iff f(3+)O(3+)$$

$$9(3+) - \frac{(5/3)^{4}}{(5/3)^{5}+1} = \frac{35}{5^{5}+3^{5}}$$