Multiple choice: Which of the following is correct?

(a) \( x(t) = x_0 + \int_0^t v(t) \, dt \)

(b) \( x(t) = x_0 + \int_0^t \frac{dv}{dt} \, dt \)

(c) \( x(t) = x_0 + \frac{dv}{dt} \)

(d) \( v(t) = v_0 + \int_0^t x(t) \, dt \)

(e) \( v(t) = v_0 + \int_0^t v(t) \, dt \)

(f) More than one of the above

(g) None of the above

Answer:______________