Unit Impulse Response: Post-initial Conditions

Quiz: Consider the equation

$$\dot{w} + kw = \delta(t)$$

with rest initial conditions, $w(0^-) = 0$.

For the solution w(t) what is $\dot{w}(0^+)$?

Choices:

- a) $\dot{w}(0^+) = 0$
- b) $\dot{w}(0^+) = -1/k$
- c) $\dot{w}(0^+) = -1$
- d) $\dot{w}(0^+) = -k$
- e) None of these.

Pick what you think is the correct choice and then look at the answer.

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