Computing the Laplace Transform

Quiz: What is $\mathcal{L}((1 + t)^2)$?

Choices:

a. $\left(\frac{1}{s} + \frac{1}{s^2}\right)^2 = \frac{1}{s^2} + 2/s^3 + 1/s^4$.

b. $\frac{1}{s} + 2/s^2 + 2/s^3$.

c. $(1 + t)(1/s + 1/s^2)$.

d. None of the above.

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