

7. (5 Points.) In solving an initial-value problem for a certain linear second-order ODE by Laplace transforms, we arrive at

$$Y(s) = \frac{s}{s^3 - 3s^2 + 9s - 27} = \frac{s}{(s - 3)(s^2 + 9)}.$$

What is  $y(t)$ ?