Impulse Response of RL Circuit

Find the impulse response of the following circuit, using Laplace transform techniques.

My confidence that I have the correct answer is:

1. 100%
2. 80%
3. 60%
4. 40%
5. 20%
6. 0%
The impulse response of the circuit is

\[ g(t) = \frac{R}{L} e^{-(R/L)t} \sigma(t) \]

My answer

1. Was completely correct

2. Was mostly correct, with one or two minor errors

3. Had many errors

4. Was completely incorrect
Impulse Response of RC Circuit

Find the impulse response of the following circuit, using Laplace transform techniques.

My confidence that I have the correct answer is:

1. 100%
2. 80%
3. 60%
4. 40%
5. 20%
6. 0%
The impulse response of the circuit is

\[ g(t) = \frac{1}{2} \delta(t) - \frac{1}{4RC} e^{-t/2RC} \sigma(t) \]

My answer

1. Was completely correct
2. Was mostly correct, with one or two minor errors
3. Had many errors
4. Was completely incorrect