Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lab table # \_\_\_\_\_ at: 12:00 / 3:00 / 6:00

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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# Circuit diagram

Paste the picture of your 5-segment circuit diagram (with values for resistors) here.

# Real circuit

Paste a picture of the actual physical circuit (on the breadboard) that you constructed.

# Plot of V(x)

Paste your plot of the measured transmembrane potential here, with the exponential fit superimposed.

# Decay length and questions

What is the decay length for an action potential passively propagating along your simulated axon? Think carefully about units!

What is the maximum length of a passive neuron, according to the 1% criterion from the lab web page?