ID										Name:

Post-Lab Questions (2 marks in total, 2/3 marks for each question)

(1) By examining your plots on Graph (2.1), answer the following:

a) What are the effects of varying the value of R on the step response of a second-order bandpass circuit?

b) What is the relationship between σ (from eqn 2.1) and τ (from eqn 2.2)? Do your measurements verify this relationship?

(2) By examining your plots on Graph (2.3), answer the following:

a) What are the effects of varying the value of R on the step response of a second-order lowpass circuit?

b) What is the relationship between σ (from eqn 2.3) and τ (from eqn 2.4)? Do your measurements verify this relationship?

(3) a) Suppose that the 8kΩ-resistor is removed from the circuit in Fig (2.6), what effects will this have on the step response?