Homework #7

MEMS 0031 - Electrical Circuits

Assigned: June 29$^{\text{th}}$, 2020
Due: July 1$^{\text{st}}$, 2020 at 11:59 pm

Problem #1

Given the summing Op-amp as shown in Fig. 6.5-1 e) of the text, prove the equation as provided in Lecture 20 on Slide 8 is equal to that provided in the text.

Problem #2

Reconsider Example #2 from Lecture 21. Repeat this problem to determine the ratio of the output voltage to the input voltage, V_o/V_{in}, using the given resistances and gain, however, you are to *not* ignore i_1.