

Quiz 4, EE 420L

Spring 2020

Closed book and notes

Name: _____

1. Sketch the schematic of a non-inverting op-amp topology. If the gain of this op-amp circuit is 100 what is the op-amp's output voltage if the offset of the op-amp is 10 mV and the open-loop gain of the op-amp is 2,000. Assume V_{in} is 0 V (i.e., grounded) and the non-inverting input of the op-amp is also at ground. Show your work for credit. (10 points).