

Quiz 3, EE 420L

Spring 2020

Closed book and notes

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

1. Sketch the schematic of an inverting op-amp topology. If the gain of this op-amp circuit is  $-5$  what is the op-amp's output voltage if the offset of the op-amp is  $5$  mV. 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).