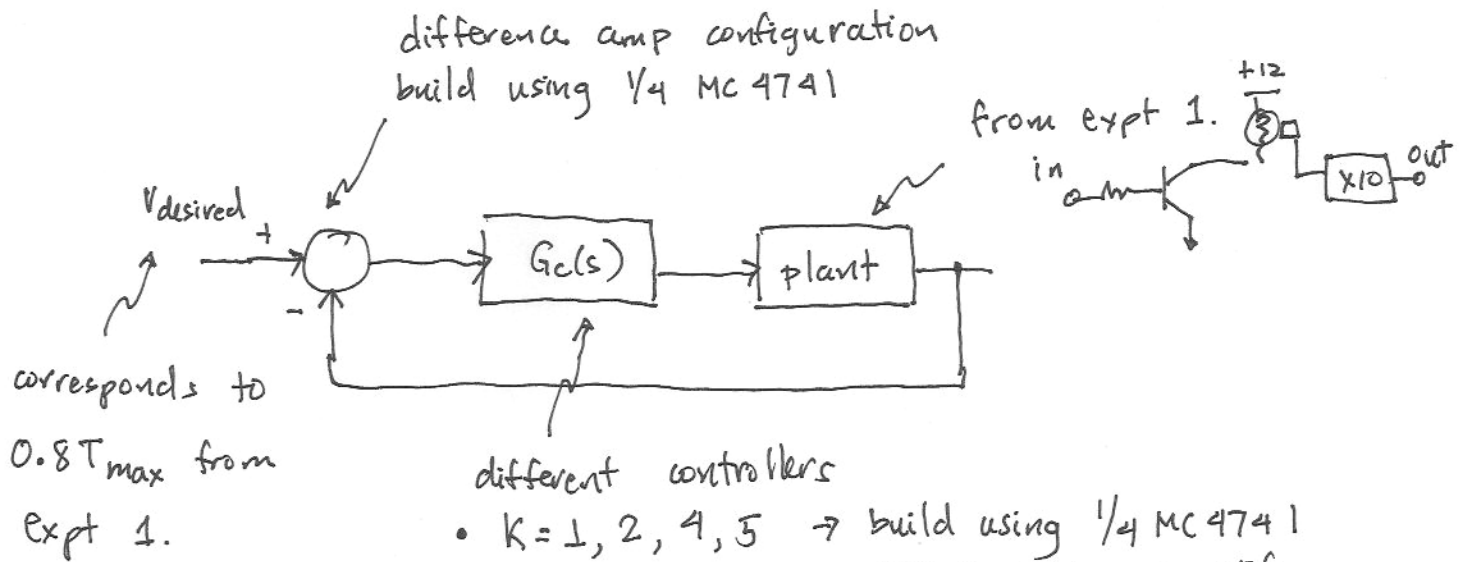# EEE 101 experiment 2
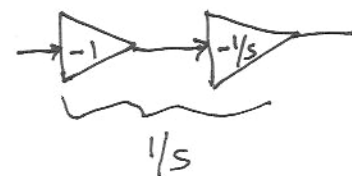
- build a closed loop, unity gain feedback system.
- Investigate the performance of a pure gain controller and an integrator.

difference amp configuration
build using 1/4 MC 4741

from expt 1.

$V_{desired}$

corresponds to
$0.8 T_{max}$ from
expt 1.

different controllers
- $K = 1, 2, 4, 5$ → build using 1/4 MC 4741
  non-inverting amplifier
- integrator → inverting amp and
  integrator using MC4741

remarks.

- T_{max} is the highest temp recorded in expt 1.
- integrator is built using $1M\Omega$ and $1\mu F$
- construct the difference amp, non-inverting amp, inverting amp, and integrator before coming to class. <u>one</u> MC4741 should be enough for all these blocks.
- wire up all your circuits before class.