EE43/100--Lab Report #6
Op Amps

Name:_____

TA:_____

Section:_____

Part 2: The Voltage Follower

Step 4: Measured $\mathbf{v_{in}}$: _____

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Part 3: The Inverting Amplifier

Step 6: Measured **R**: _____

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Gain: _____

Step 7: Measured **R**: _____

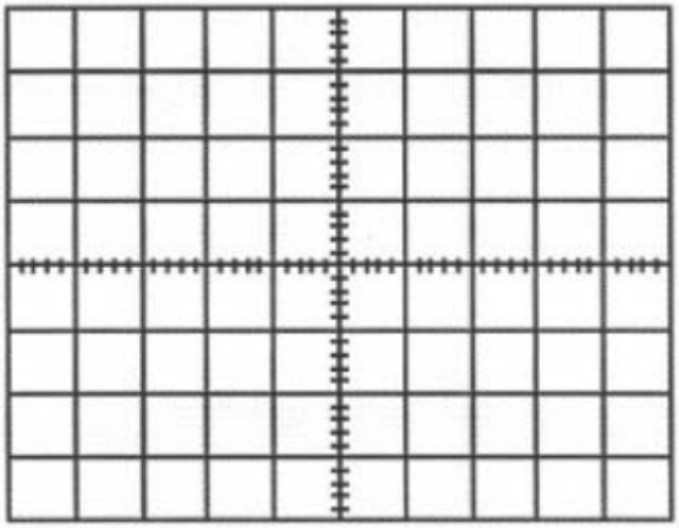
$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Gain: _____

Step 8: $\mathbf{v_{in}}$: Measured _____ Vpp

$\mathbf{v_{out}}$: Theoretical _____



Gain: _____

Part 4: The Non-inverting Amplifier

Step 10: Measured **R**: _____

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Gain: _____

Step 11: Measured **R**: _____

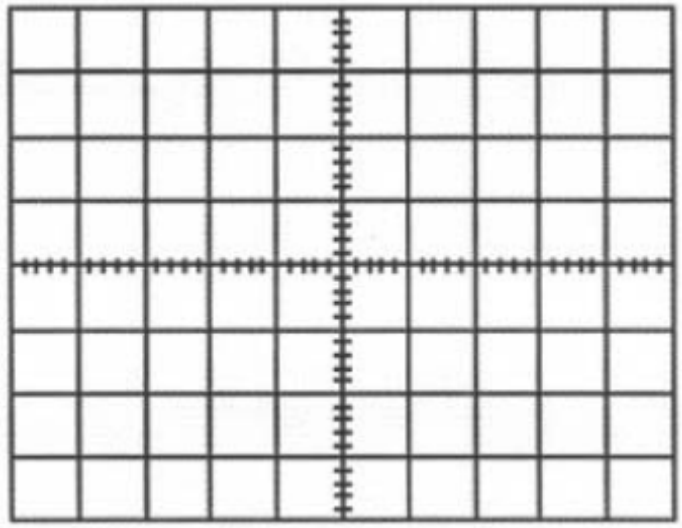
$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Gain: _____

Step 12: $\mathbf{v_{in}}$: Measured _____ Vpp

$\mathbf{v_{out}}$: Theoretical _____



Gain: _____

Part 5: The Summing Amplifier

Step 14:

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Step 15:

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Step 16:

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Part 6: The Non-Ideal Op Amp

Step 18: Measured **R**: _____

$\mathbf{v_{in}}$: Theoretical _____

Measured _____

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Step 19: Measured **R**: _____

$\mathbf{v_{in}}$: Theoretical _____

Measured _____

$\mathbf{v_{out}}$: Theoretical _____

Measured _____

Reason for difference between theoretical $\mathbf{v_{out}}$ and measured $\mathbf{v_{out}}$:

Part 7: The Differential Amplifier

Step 21: $\mathbf{v_{out}}$: Theoretical _____

Step 22: Measured $\mathbf{v_{out}}$: