

Figure 1- Inverting amplifier used with R1 being 56 k Ω and R2 being 110 k Ω . Uncertainty for the input and output voltage was $\pm 0.01V$ for measurements greater than 1 V and $\pm 0.001 V$ for measurements less than 1 V. Expected gain is 1.96.

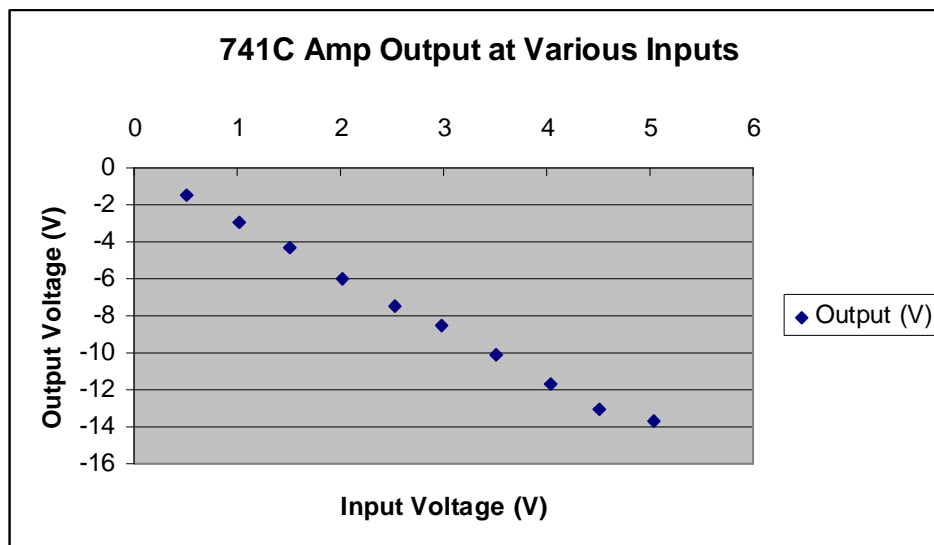


Figure 2 - Inverting amplifier used with R1 being 56 k Ω and R2 being 160 k Ω . Uncertainty for the input and output voltage was $\pm 0.01V$ for measurements greater than 1 V and $\pm 0.001 V$ for measurements less than 1 V. Expected gain is 2.86.

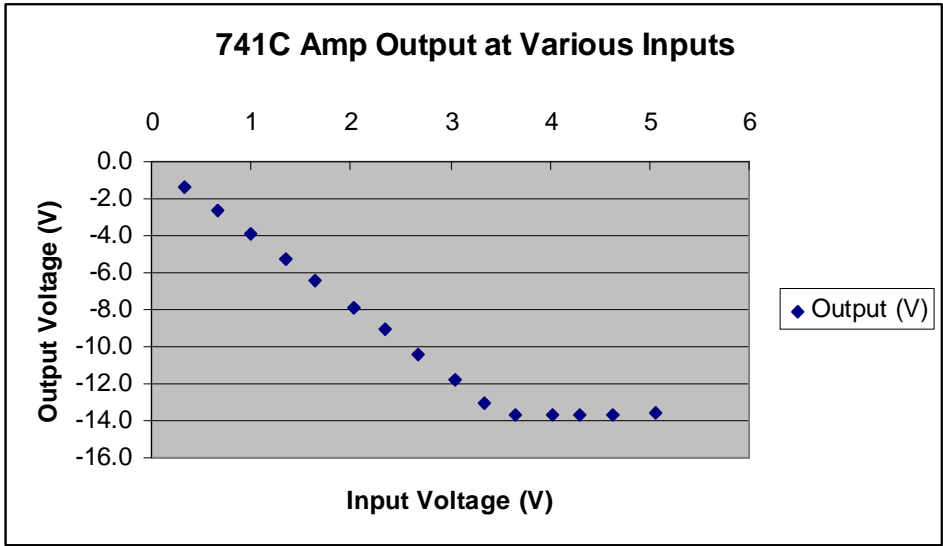


Figure 3 - Inverting amplifier used with R1 being 56 k Ω and R2 being 220 k Ω . Uncertainty for the input and output voltage was $\pm 0.01\text{V}$ for measurements greater than 1 V and $\pm 0.001\text{ V}$ for measurements less than 1 V. Expected gain is 3.93.