

# MAG Worksheet

Your Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Lab partner(s): \_\_\_\_\_

Course & Section: \_\_\_\_\_ Station # \_\_\_\_\_ Date: \_\_\_\_\_

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**1. For section D.3, Long Wire:**

Attach a copy of one of the *LoggerPro* plots and your graph to this worksheet:

Report your value for the exponent of the power law as a measurement interval.

Is this consistent with the theoretical value? Explain.

**2. For section D.4, Coils:**

Attach a copy of your graph to this worksheet:

Report your value for the exponent of the power law as a measurement interval.

Is this consistent with the theoretical value? Explain.

**3. For section D.5, Disk Magnet:**

Attach a copy of your graph to this worksheet:

Report your value for the exponent of the power law as a measurement interval.

Compare this value to your value for the coil.

**GRADE:** \_\_\_\_\_  
(out of 30 points)

**GRADED BY** \_\_\_\_\_  
(TA's initials)