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| **PH 201 Post-Lab 07** | **Uniform Circular Motion** | **Name** |  |

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| 1. Why did you time 10 complete revolutions instead of a single revolution to determine the period (T) of the motion? Be as specific as possible in your response. |
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| 2. If you made a plot of period squared vs mass, what would your slope be? |
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| 3. If you made a plot of period squared vs mass, what would your y-intercept be? |
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| 4. If you made a plot of Ln(period) vs Ln(mass), what would your slope be? |
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| 5. If you made a plot of Ln(period) vs Ln(mass), what would your y-intercept be? |
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