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| **PH 201 Post-Lab 01** | **Graphing** | **Name** |  |

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| 1. What are the coordinates of the ‘+’ plotted in the graph figure shown on the left? |
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| **(\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_)** |
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| 2. Plot a dot at the location (1.75, -2.25). Make the dot fairly small and then circle it to make it easier to find. |
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| 3. You have a set of experimental data that you have plotted distance on the y axis and time squared on the x axis. You have drawn a “best straight line” and from this line you select two points, (8.85 s2, 1.92 m) and (1.04 s2, 11.37 m). What is the slope of your line? |
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| Slope **=**  |  |

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| A particular experimental relationship can be expressed mathematically by the equation$$y=5.0 x^{-2.4}$$ |
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| 4. If you created a ln(y) vs ln(x) plot (ln(y) is along the vertical axis), what would you find the slope to be? |
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| Slope **=**  |  |

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| 5. What would you find the y-intercept to be? |
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| y-intercept **=**  |  |

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