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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? | |  | | **(\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_)** | |  | | 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 |
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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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