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

 |
|  |
| 1. An equation of a straight line is $y=4.5x-8$. Complete the following table: |
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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **x** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| **y** |  |  |  |  |  |  |  |  |

 |
|  |
| 2. For the line given above ($y=4.5x-8$) : |
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| --- | --- |
| What is the slope? |  |
|  |  |
| What is the y-intercept? |  |

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|  |
| 3. What is the equation of a straight line that contains the points (3, -2) and (-7, 5)? Show your work! |
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| $$y=$$ |  |

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| 4. Look up and complete the following rules for logarithms: |
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|  |  |
| --- | --- |
| $$Ln\left(AB\right)=$$ |  |
|  |  |
| $$Ln\left(A^{B}\right)=$$ |  |
|  |  |
| $$e^{Ln(4.5x)}=$$ |  |
|  |  |
| $$Ln\left(e^{-9x}\right)$$ |  |

 |
|  |