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| **PH 201 Post-Lab 02** | **Vectors** | **Name** |  |

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| 1. A force is 7.3 N at an angle of 143˚. What are the x and y components of this force? (if the component is along a negative axis, then you should include the minus sign.) |
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| X – Component  |  |  | Y – Component  |  |

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| 2. A force has components of 3.9 N along the -x axis and -5.8 N along the -y axis. What is the magnitude of the force and the angle (0 to 360˚) at which this force is directed? |
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| Magnitude  |  |  | Direction  |  |

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| **Over 🡪** |
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| 3. Consider the vectors A which is 6.5 units at 150˚ and B which is 4.25 units at 300˚. Find the resultant and the Equilibrant vectors (Magnitude and direction). |
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| Resultant Vector |
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| Magnitude  |  |  | Direction  |  |

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| Equilibrant Vector |
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| Magnitude  |  |  | Direction  |  |

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