

# Net Force Data Tables

|                     | Force<br>(Newtons) | Angle<br>(Degrees) | Horizontal<br>Component | Vertical<br>Component |
|---------------------|--------------------|--------------------|-------------------------|-----------------------|
| A                   |                    | 0 (East)           |                         |                       |
| B                   |                    | 110 (70° NW)       |                         |                       |
| C                   |                    | 200 (20° SW)       |                         |                       |
| Sum of Components = |                    |                    |                         |                       |
| Resultant =         |                    |                    |                         |                       |

|                     | Force<br>(Newtons) | Angle<br>(Degrees) | Horizontal<br>Component | Vertical<br>Component |
|---------------------|--------------------|--------------------|-------------------------|-----------------------|
| A                   |                    | 45                 |                         |                       |
| B                   |                    | 135 (45° NW)       |                         |                       |
| C                   |                    | 270 (South)        |                         |                       |
| Sum of Components = |                    |                    |                         |                       |
| Resultant =         |                    |                    |                         |                       |

|                     | Force<br>(Newtons) | Angle<br>(Degrees) | Horizontal<br>Component | Vertical<br>Component |
|---------------------|--------------------|--------------------|-------------------------|-----------------------|
| A                   |                    | 80                 |                         |                       |
| B                   |                    | 210 (30° SW)       |                         |                       |
| C                   |                    | 280 (80° SE)       |                         |                       |
| Sum of Components = |                    |                    |                         |                       |
| Resultant =         |                    |                    |                         |                       |

|                     | Force<br>(Newtons) | Angle<br>(Degrees) | Horizontal<br>Component | Vertical<br>Component |
|---------------------|--------------------|--------------------|-------------------------|-----------------------|
| A                   |                    | 60                 |                         |                       |
| B                   |                    | 190 (10° SW)       |                         |                       |
| C                   |                    | 340 (20° SE)       |                         |                       |
| Sum of Components = |                    |                    |                         |                       |
| Resultant =         |                    |                    |                         |                       |

|                     | Force<br>(Newtons) | Angle<br>(Degrees) | Horizontal<br>Component | Vertical<br>Component |
|---------------------|--------------------|--------------------|-------------------------|-----------------------|
| A                   |                    | 25                 |                         |                       |
| B                   |                    | 180 (West)         |                         |                       |
| C                   |                    | 335 (25° SE)       |                         |                       |
| Sum of Components = |                    |                    |                         |                       |
| Resultant =         |                    |                    |                         |                       |

|                     | Force<br>(Newtons) | Angle<br>(Degrees) | Horizontal<br>Component | Vertical<br>Component |
|---------------------|--------------------|--------------------|-------------------------|-----------------------|
| A                   |                    | 0 (East)           |                         |                       |
| B                   |                    | 20                 |                         |                       |
| C                   |                    | 120 (60° NW)       |                         |                       |
| D                   |                    | 240 (60° SW)       |                         |                       |
| E                   |                    | 315 (45° SE)       |                         |                       |
| Sum of Components = |                    |                    |                         |                       |
| Resultant =         |                    |                    |                         |                       |