**Drawing to Scale lab**

**Problems:**

1. **How can you draw the following vector addition to scale and solve for the resultant?**

**3N at 180 degrees + 5 N at 45 degrees= ?**

1. **How can you build this vector using a force table (I will show you what it is)?**

**Material: Force table, protractor, ruler, hanging masses.**

**Data:**

|  |  |  |
| --- | --- | --- |
|  | **Magnitude** | **Direction** |
| **Resultant from drawing to scale** |  |  |
| **Resultant from force table** |  | **x** |

**Vector addition:**

**5 N**

**3 N**

**Conclusion: ?’s from notes.**