**Sail Car Test Table**

**Introducing the kinematic equations!**

**d = Vi \* t + 0.5\*a\*t2 AND Vf = Vi + at**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Group Name** | **d (inches)** | **Vi (inches/second)** | **t (seconds)** | **t2 (seconds2)** | **a (inches/second2)**  **= 72/t2** | **Vf (inches/second)**  **= a\*t** | **Vf (miles per hour) =**  **Vf\*0.06** |
|  | **36** | **0** |  |  |  |  |  |
|  | **36** | **0** |  |  |  |  |  |
|  | **36** | **0** |  |  |  |  |  |
|  | **36** | **0** |  |  |  |  |  |

**✂**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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|  | **36** | **0** |  |  |  |  |  |
|  | **36** | **0** |  |  |  |  |  |