

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

### Sail Car Test Table

Introducing the kinematic equations!

$$d = V_i * t + 0.5 * a * t^2$$

AND

$$V_f = V_i + at$$

Group Name	d (inches)	V <sub>i</sub> (inches/second)	t (seconds)	t <sup>2</sup> (seconds <sup>2</sup> )	a (inches/second <sup>2</sup> ) = 72/t <sup>2</sup>	V <sub>f</sub> (inches/second) = a*t	V <sub>f</sub> (miles per hour) = V <sub>f</sub> *0.06
	36	0					
	36	0					
	36	0					
	36	0					



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