Equation Worksheet

Equation # 1 - Speed from Distance & Drag

$$S = \sqrt{30 \ D \ f}$$

$$(28.1) = \sqrt{30 \ (44.0)(0.60)}$$

mph   ft   g's

S = Speed in mph
D = Distance in ft
f = Accel factor (inc slope & braking eff)

Table of Equation 1 - Speed from Distance & Drag

Acc Factor, f g's

		0.60	0.70
	44.0	28.1	30.4
	46.0	28.7	31.0
Distance, D	48.0	29.4	31.7
ft	50.0	30.0	32.4
	52.0	30.6	33.0