Formula Sheet #2

TO FIND	WHEN GIVEN	EQUATION TO USE
Acceleration a $ft/\sec^2$	$f \quad g$	$a = fg$
	$t \quad v_i \quad v_e$	$a = \frac{v_e - v_i}{t}$
	$t \quad v_i \quad d$	$a = \frac{2d - 2v_i t}{t^2}$
	$v_i \quad v_e \quad d$	$a = \frac{v_e^{\,2} - v_i^{\,2}}{2d}$
Initial Velocity v_i $ft/\sec$	$t \quad a \quad v_e$	$v_i = v_e - at$
	$t \quad a \quad d$	$v_i = \frac{d}{t} - \frac{at}{2}$
	$a \quad v_e \quad d$	$v_i = \sqrt{v_e^{\,2} - 2ad}$
End Velocity v_e $ft/\sec$	$t \quad a \quad v_i$	$v_e = v_i + at$
	$a \quad v_i \quad d$	$v_e = \sqrt{v_i^{\,2} + 2ad}$
Distance d ft	$t \quad a \quad v_i$	$d = v_i t + \frac{a \cdot t^2}{2}$
	$a \quad v_i \quad v_e$	$d = \frac{v_e^{\,2} - v_i^{\,2}}{2a}$
	$t \quad v_i \quad v_e$	$d = \frac{t(v_i + v_e)}{2}$
Time t $\sec$	$a \quad v_i \quad v_e$	$t = \frac{v_e - v_i}{a}$