PERFORMANCE	
V_A =	$Va_{max} \times \sqrt{\dfrac{current\ Weight}{Max\ Weight}}$
Approx. T.A.S. = *"2% per 1,000ft"*	C.A.S. $\times$ (Pressure Altitude $\times$ 0.02)
Moment =	Weight $\times$ Arm
Center of Gravity =	$\dfrac{Total\ Moment}{Total\ Weight}$
Weight Change Formula =	$\dfrac{Change\ in\ weight}{Total\ weight} = \dfrac{Change\ in\ C.G.}{Distance\ changed}$
Glide Distance = *"1.5NM per 1,000ft AGL"*	$\dfrac{Height\ AGL}{1,000} \times 1.5$
METEOROLOGY	
Pressure Altitude =	Indicated alt + (1,000[Std. air pressure - Current Altimeter setting])
Density Altitude =	P.A. + (120[O.A.T. - standard temperature])
Standard Temp at altitude =	$15 - (\dfrac{Altitude}{1,000} \times 2)$
Approx. Cloud Height (AGL) =	$\dfrac{OAT-Dewpoint}{2.5} 1,000$
MISCELLANEOUS	
=	
=	
=	
=	
=	