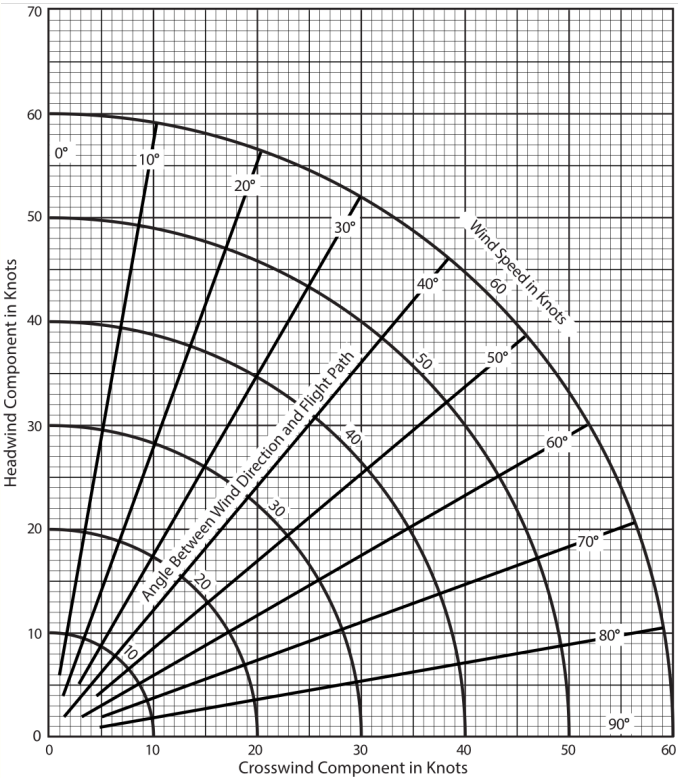
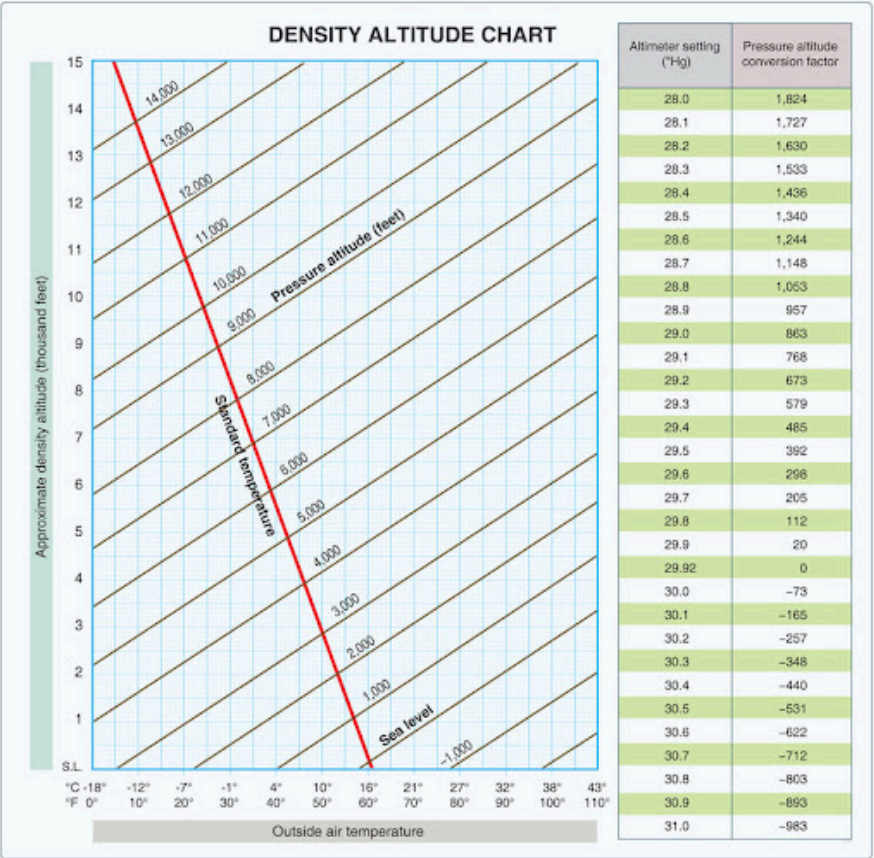


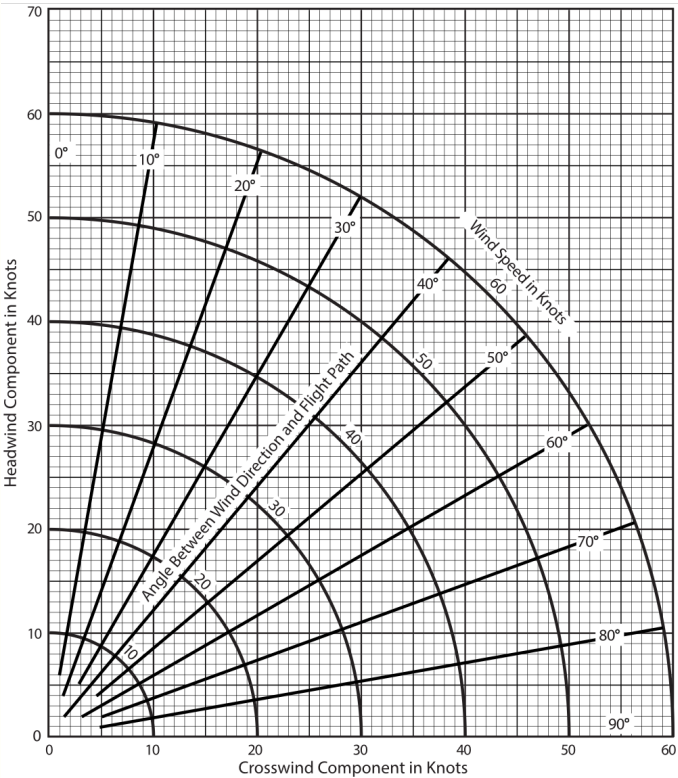
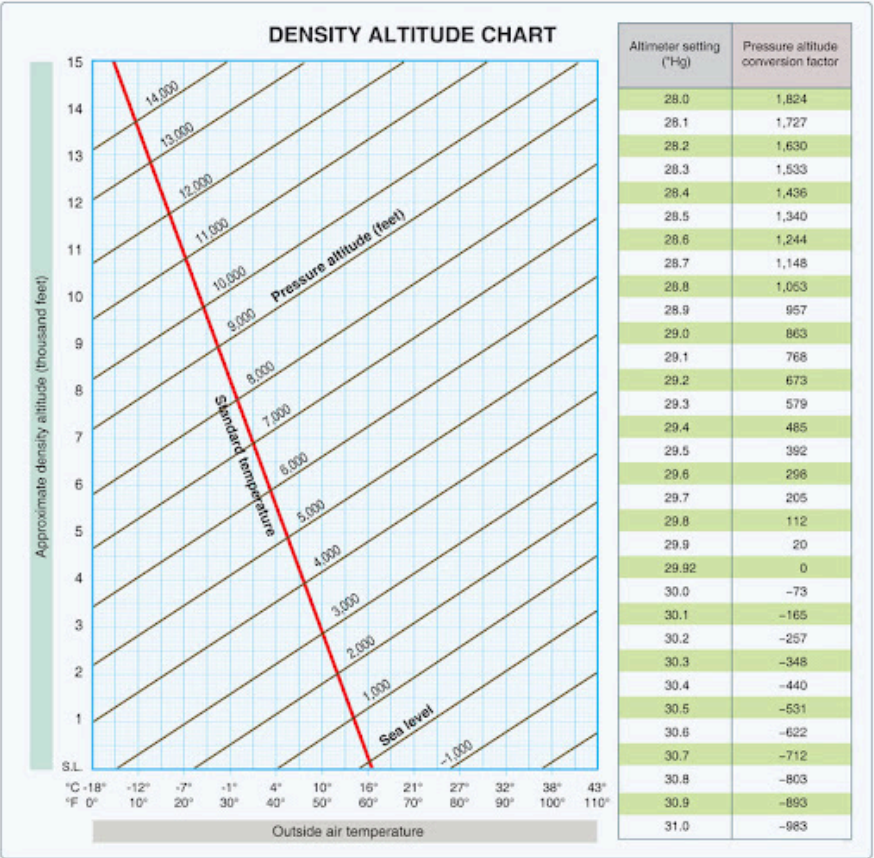
Field Elevation		
Altimeter setting		
Pressure Altitude		
Temperature		
M. Var?		
Winds	H.W:	XWind:
	Ground Roll	To-Clear-50-FT
Starting POH value		
technique?		
% winds?		
% Soft?		
% Gust? (landing)		
FINAL ANSWER		

PERFORMANCE
$V_A = V_{a_{max}} \times \sqrt{\frac{\text{current Weight}}{\text{Max Weight}}}$
Approx. T.A.S. = C.A.S. $\times$ (Pressure Altitude $\times$ 0.02) "2% per 1,000ft"
Moment = Weight $\times$ Arm
Center of Gravity = $\frac{\text{Total Moment}}{\text{Total Weight}}$
Weight Change Formula = $\frac{\text{Change in weight}}{\text{Total weight}} = \frac{\text{Change in C.G.}}{\text{Distance changed}}$
Glide Distance = $\frac{\text{Height AGL}}{1,000} \times 1.5$ "1.5NM per 1,000ft AGL"
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 = $15 - (\frac{\text{Altitude}}{1,000} \times 2)$
Approx. Cloud Height (AGL) = $\frac{\text{OAT} - \text{Dewpoint}}{2.5} \times 1,000$



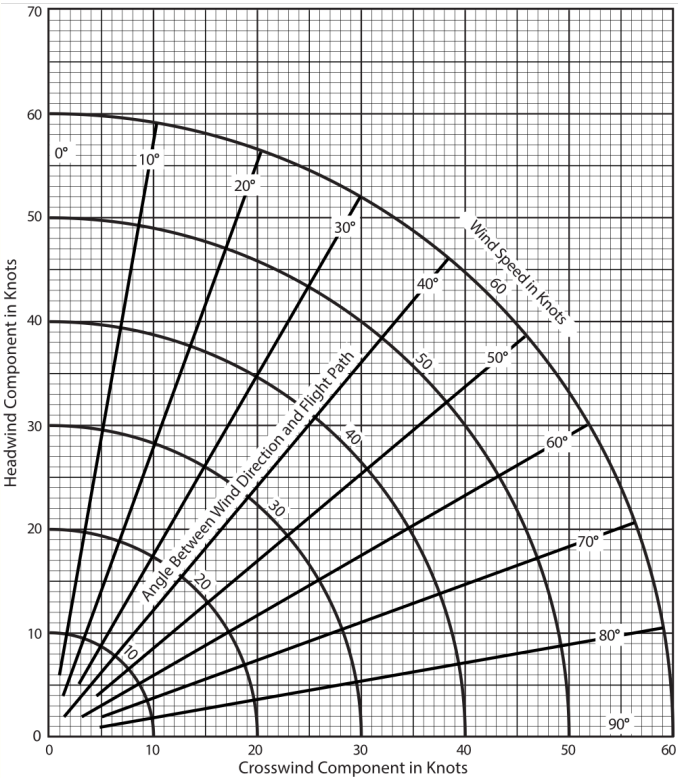
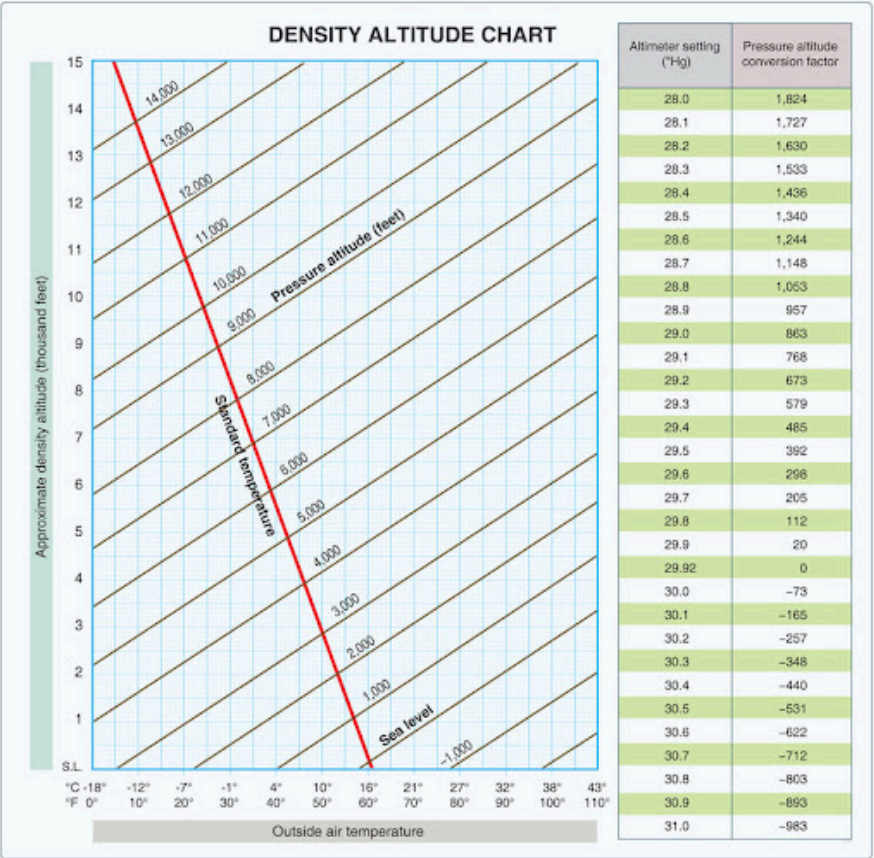
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