

The wing span, b, is $b = \sqrt{AR \cdot S}$ (4-16)
where AR is the wing aspect ratio and S is the reference wing area. The root chord length is $C_{c} = \frac{2S_{c}}{2S_{c}} $ (4-17)
$C_{\text{root}} = \frac{2S}{b(1+\lambda)} $ (4-17) where λ is the wing taper ratio.
The tip chord length is $C_{tip} = \lambda C_{root}$ (4-18) The wing m.a.c. length is $\overline{C} = \left(\frac{2}{3}\right) C_{root} \left[1 + \lambda - \frac{\lambda}{1 + \lambda}\right]$ (4-19)
The distance from the centerline to the m.a.c. location is $\overline{Y} = \left(\frac{b}{6}\right) \frac{1+2\lambda}{1+\lambda}$ (4-20)
6' 1+"