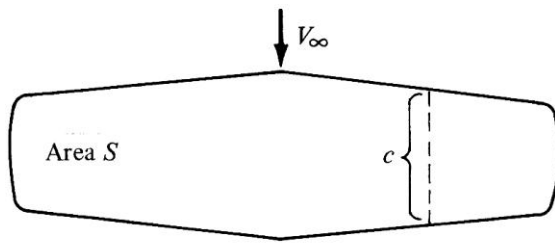
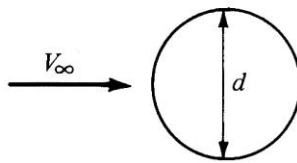


(KEY CONCEPT) [A-5-3]



(a)



(b)

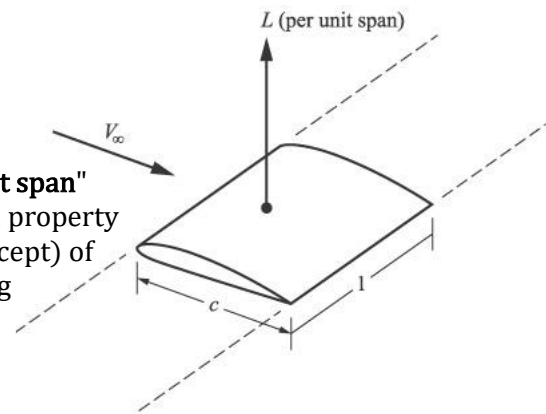
Aircraft wing ("lift" producing device):

- Area S = projected wing "planform" area
- Length $l = c$ = wing "chord length"

Circular cylinder ("drag" producing device):

- Area S = projected cylinder "frontal" area
- Length $l = d$ = cylinder "diameter"

Airfoil is a "unit span" cross-sectional property (quasi 2-D concept) of an aircraft wing



Wing and airfoil geometry sketch (source: J.D. Anderson "Fundamentals of Aerodynamics" 2016)

Lined area for notes, consisting of multiple horizontal dashed lines.