

AEM 313 Problem Set #8

Due: 20th November 2017

1. Estimate the total wetted area of the Cessna 172 ($b=36$ ft, $S=174$ sq-ft) below
2. Estimate the drag of the landing gear (reference area $S=174$ sq-ft)
3. Estimate C_{D0} given the NACA 2412 airfoil and a flat plate approximation elsewhere.

Cessna 172 3-view drawing on following page





