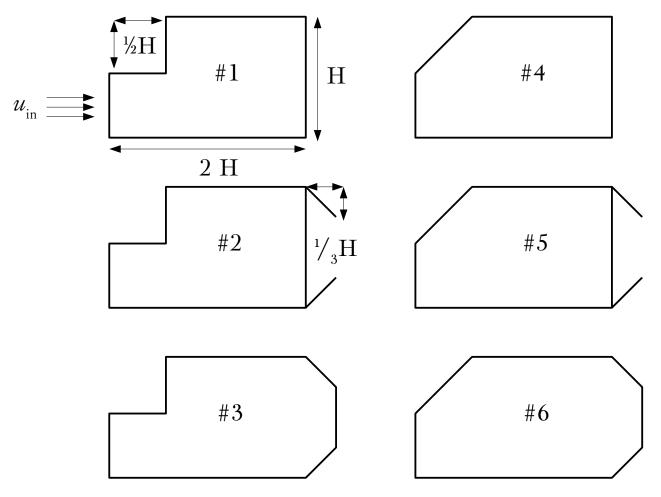
Drag Coefficient of Various Bodies

Previously you were assigned one of the following sets of truck contours (#1-3 or #4-6) to create as external flow geometries (*i.e.*, the fluid will flow around the contour in a larger volume). In today's lab, we will calculate the drag coefficient for each shape under turbulent flow conditions.



- Set the drag and lift options (under *Reference Values*); also set drag and lift monitors projected onto upper surfaces of the truck. Assuming H = 2 m and width W = 1.5 m, cross-sectional (projected) area A = 3 m². u_{in} = 30 m/s (67 mph); turbulence model k-ε with inlet turbulence 5%. If you need to make other assumptions, you should document them on this worksheet. Calculate the drag and drag coefficient.
 - a. $F_{drag} =$ _____

b.
$$C_D =$$
