**I-BEAM SKETCHING EXERCISE ASSIGNMENT (HW5)**

**(Submit this sheet as your assignment coverpage)**

/8

NAME:

**Sketching Exercise Final Products**

\_\_\_ Sketch of your I-beam that clearly shows all sketch relations and dimensions

\_\_\_ Expanded and annotated design tree (i.e. rename your I-beam sketch and extruded feature)

\_\_\_ Fully defined I-beam sketch

\_\_\_ Part information in part properties summary tab (w/ author, assignment number in keywords field, and assignment notes in comments field)

\_\_\_ Image of extruded I-beam to a 3-inch section

\_\_\_ Assign material properties (show material selected in the design tree)

\_\_\_ Use SW to compute the mass, volume, center of mass, and moments of inertia.

\_\_\_ Share two insights about Solidworks learned through this assignment and provide supporting evidence/discussion/significance for your two insights