

AME 20231

Homework 1

Due: Thursday, 18 January 2024, 9:00 AM, on CANVAS

Unless otherwise stated, all problems are from the text of Borgnakke and Sonntag, 9th edition.

1. 1.21, take instead the mass of the steel container to be 4.5 kg.
2. 1.30, take instead the volume to be 6 m³.
3. Retrieve the documents `sample.tex` and `sample.figure.eps` from the `documents` link under

<https://www3.nd.edu/~powers/ame.20231>,

edit it to add your name, generate an elegant fully formatted document using L^AT_EX, and submit a copy of the resulting `.pdf` file.

While there are many ways to render L^AT_EX files, a particularly useful and free source is available at

<https://www.overleaf.com>

Be sure to follow the homework format specified in the course syllabus and Example 1.1 of the course notes.