## MAE560/460 Applied CFD, Fall 2021 Homework 1 Solution

## Deliverable 1



Fig. 1 (a) Contour plot of velocity magnitude. (b) Contour plot of temperature.

Deliverable 2



Fig. 2 (a) Line plot of velocity. (b) Line plot of temperature.

Deliverable 3
Using half-pipe geometry, the values of $H$ are (in Watts):
Big inlet: 94016
Small inlet: 73866
Outlet: 167845 (going out)

