Max Shi

Professor De Rosa

E 234

October 28, 2020

Homework 6

I pledge my honor that I have abided by the Stevens Honor System.

1. Saturated liquid – h = 209.34 kJ/kg  
   Superheated vapor – h = 2828.3 kJ/kg  
   Saturated liquid at 1000 kPa – h = 762.51 kJ/kg  
   The mass flow rate of water to steam should be 3.734 to 1.
2. Refrigerant in – h = 324.66 kJ/kg  
   Refrigerant out – h = 93.58 kJ/kg