

AME 20231  
Homework 12

Due: Wednesday, 28 April 2010, in class

1. 11.36, In addition, take the efficiency of each turbine to be 0.95. Carefully sketch the process on a  $T - s$  diagram.
2. 14.39,
3. 14.54, for liquid water take instead  $P = 2.0 \text{ MPa}$ . For water vapor, take instead  $P = 400 \text{ kPa}$ .
4. 14.71,
5. 14.80, Take instead  $T = 155 \text{ K}$ .