

ANSWERS TO SELECTED PROBLEMS

Fundamentals of Engineering Thermodynamics

8th Edition by Moran, Shapiro, Boettner, and Bailey, 2014

Chapter 1

- 1.5 (a) 2
- 1.9 (a) Air: 579.4
- 1.11 2.66
- 1.14 82,000
- 1.16 downward
- 1.20 (b) 12, 0.704
- 1.23 (a) 1.08
- 1.27 3.125
- 1.32 (a) 5.11
- 1.35 750, 29.53
- 1.38 30.49
- 1.43 23.3
- 1.47 8836
- 1.49 3.06
- 1.52 297.15, 534.87, 75.2
- 1.57 (a) morning: 501.67, 278.71, 5.56; afternoon: 529.67, 294.26, 21.11