

## ANSWERS TO SELECTED PROBLEMS

### *Fundamentals of Engineering Thermodynamics*

7<sup>th</sup> Edition by Moran, Shapiro, Boettner, and Bailey, 2011

#### Chapter 2

2.2	97.8
2.6	-4800
2.10	151.9
2.14	634.92
2.16	11.23
2.21	68
2.25	(a) 0.033
2.28	(b) -1285.7
2.31	5.625
2.34	(a) 0.8
2.37	(b) 9
2.41	(b) $-1.25 \times 10^{-5}$
2.44	(b) 25.6
2.50	255
2.55	1.47
2.60	(b) 85
2.64	(b) -50.4
2.69	(b) 262.8
2.72	(b) 40%
2.76	power cycle
2.80	30.8%
2.84	(a) 200
2.87	0.45, 3
2.90	(b) 7.52
2.94	(b) T, (d) F
2.96	(b) T, (c) F