

MECE 3360 – Heat Transfer
Homework Assignments – Fall 2011
Textbook: Fundamentals of Heat and Mass Transfer
(Incropera and DeWitt, 5th & 6th Editions)

HW#1 → 1.6, 1.16, 1.28, 1.34, 2.10, 2.24, 2.29, 2.42 (5th & 6th Editions)

Example Problems: 1.31, 1.38, 1.44, 2.4, 2.22, 2.27 (5th & 6th Editions)

HW#2 → 3.22, 3.28a, 3.32, 3.37, 3.46, 3.52, 3.70, 3.94 (5th & 6th Editions)

Example Problems: 3.2, 3.36, 3.93, 3.118 (5th & 6th Editions)

HW#3 → 3.113 (5e & 6e), 3.116 (5e & 6e), 5.7 (5e) or 5.8 (6e), 5.11 (5e) or 5.12 (6e), 5.20 (5e) or 5.21 (6e), 5.26 (5e) or 5.27 (6e), 5.27 (5e) or 5.28 (6e)

Example Problems: 5.10 (5e) or 5.11 (6e), 5.14 (5e) or 5.15 (6e), 5.21 (5e) or 5.22 (6e)

HW#4 → 6.10 (5e) or 6.1 (6e), 6.28 (5e) or 6.19 (6e), 6.30 (5e) or 6.21 (6e), 6.35 (5e) or 6.26 (6e)

Example Problems: 6.2 (5e) or 6.5 (6e), 6.7 (5e) or 6.11 (6e), 6.17 (5e), 6.22 (5e), 6.29 (5e) or 6.20 (6e)

HW#5 → 7.15, 7.58, 7.78a&b, 7.87 (Same Problem Numbers in 5e & 6e)

Example Problems: 7.2, 7.10, 7.50, 7.52, 7.70 (Same Problem Numbers in 5e & 6e)

HW#6 → 8.6 (5e) or 8.5 (6e), 8.13 (5e & 6e), 8.23a (5e) or 8.22a (6e), 8.32 (5e) or 8.31 (6e), 8.40 (5e) or 8.38 (6e), 8.62 (5e) or 8.60 (6e)

Example Problems: 8.9 (5e) or 8.8 (6e), 8.10 (5e), 8.15 (5e & 6e), 8.17 (5e & 6e), 8.22 (5e), 8.25 (5e), 8.34 (5e)

HW#7 → 9.14a,b&c, 9.18, 9.34, 9.69a&b, 9.70a (5th & 6th Editions)

Example Problems: 9.9 (5e & 6e), 9.11 (5e & 6e), 9.22 (5e & 6e), 9.23 (5e), 9.58 (5e & 6e)

HW#8 → 11.9, 11.16, 11.20, 11.25, 11.59 (5th & 6th Editions)

Example Problems: 11.2, 11.38, 11.47, 11.54, 11.76 (5th & 6th Editions)
