

# MA 519: Homework 4

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September 22, 2016



**PROBLEM 4.1 (HANDOUT 5, # 2)**

*Solution.*



**PROBLEM 4.2 (HANDOUT 5, # 8)**

*Solution.*



**PROBLEM 4.3 (HANDOUT 5, # 10)**

*Solution.*

■

**PROBLEM 4.4 (HANDOUT 5, # 12)**

*Solution.*

■

**PROBLEM 4.5 (HANDOUT 5, # 13)**

*Solution.*



**PROBLEM 4.6 (HANDOUT 6, # 5)**

*Solution.*

■



**PROBLEM 4.7 (HANDOUT 6, # 7)**

*Solution.*



**PROBLEM 4.8 (HANDOUT 6, # 9)**

*Solution.*

■

**PROBLEM 4.9 (HANDOUT 6, # 10)**

*Solution.*



**PROBLEM 4.10 (HANDOUT 6, # 11)**

*Solution.*



**PROBLEM 4.11 (HANDOUT 6, # 12)**

*Solution.*



**PROBLEM 4.12 (HANDOUT 6, # 13)**

*Solution.*

