

## MA 519: Homework 5

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**PROBLEM 5.1**

*Solution.*



**PROBLEM 5.2**

*Solution.*



**PROBLEM 5.3**

*Solution.*



**PROBLEM 5.4**

*Solution.*



**PROBLEM 5.5**

*Solution.*



**PROBLEM 5.6**

*Solution.*





**PROBLEM 5.7**

*Solution.*



**PROBLEM 5.8**

*Solution.*



**PROBLEM 5.9**

*Solution.*



**PROBLEM 5.10**

*Solution.*



**PROBLEM 5.11**

*Solution.*



**PROBLEM 5.12**

*Solution.*



**PROBLEM 5.13**

*Solution.*



**PROBLEM 5.14**

*Solution.*





**PROBLEM 5.15**

*Solution.*



**PROBLEM 5.16**

*Solution.*



**PROBLEM 5.17**

*Solution.*

