

**Linear Algebra**  
**MATH 224W – Spring 2015**

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Week 7: Determinants

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**Writing Assignment #6**

**due Monday, Oct. 5**

§2.2 #29

Please make separate propositions for 29(a) and 29(b).

§2.3 #24, 25

There are many ways to approach #25, so do not feel that you must to use Theorem 2.9, as the hint suggests.

AP #1 Prove or disprove: If  $A$  and  $B$  are invertible  $n \times n$  matrices, then  $(A + B)$  is invertible.

**Homework #6**

**due Friday, Oct. 9**

§2.3 #8, 10(a)(c), 18, 20

§3.1 #2, 4(b), 6(b), 8, 12

§3.2 #2(c-f), 3, 4

For #2 make sure to cite any results you use.