Homework #4: Sections 1.9-2.1 (Week #4)
APPM 3310, Matrix Methods, Fall 2015
Due Wednesday September 23

1. Complete the following problems from the textbook:
   - Section 1.9: 1f, 5aceg, 8, 11, 13
   - Section 2.1: 1, 7, 12
   - Section 2.2: 2abe, 4, 22

2. Let $V$ be the set of all $2 \times 2$ matrices with zero determinant. Show that $V$ is not a vector space.