Homework 6

June 10

1. Calculate $\det(A)$ if:

$$A = \begin{pmatrix} 1 & 1 & 3 & 11 \\ 1 & 3 & 7 & 21 \\ -2 & 0 & 0 & -4 \\ 0 & -2 & -2 & -6 \end{pmatrix}$$

2. 4.2.26,28,30,32,34

3. 4.2.56

June 11

4. 4.3.2

5. 4.3.4

June 12

6. 4.3.22

7. 4.4.10

8. 4.4.47 (Recall from the exam that the product of two diagonal matrices is just the product of the entries coordinate-wise)