Math 415

Homework Set 9
due Friday, March 30

1. Problem 6 in Section 6.5.   Answer: $\frac{1}{2}(1,1,1,1)$ and $\frac{1}{2\sqrt{5}}(-3,-1,1,3)$, $\frac{1}{\sqrt{6}}(1,-2,1,0)$.

2. Do Problem 8 in Section 6.5.

3. Do Problem 10 in Section 6.5.

4. Do Problem 2 in Section 7.1.

5. Do Problem 3 in Section 7.1.

6. Do Problem 7 in Section 7.1.

7. Do Problem 2 in Section 6.7.

8. Do Problem 4 in Section 6.7.

9. Do Problems 9 and 10 in Section 6.7 (treat these as a single problem).