

Honors Linear Algebra (Spring 2011) — Homework 3

- DL-LAA stands for the text (David Lay – Linear Algebra and its Applications).
- The points for each problem is given in parentheses. The total points add up to 75. You will be graded for 70 points, with the possibility of getting up to 5 points as extra credit.
- **This homework is due in class on Thursday, February 3.**

1. (8) DL-LAA Problem 32 from Page 40.
2. (10) DL-LAA Problem 33 from Page 40.
3. (10) DL-LAA Problem 16 from Page 48.
4. (4) DL-LAA Problem 20 from Page 48. Notice that we did the necessary EROs for this problem in class.
5. (12) DL-LAA Problem **23 b., c., and 24 b., f.**, from Page 48.
6. (6) DL-LAA Problem 32 from Page 49.
7. (7) DL-LAA Problem 36 from Page 49.
8. (8) DL-LAA problem 8 from Page 55.
9. (10) DL-LAA problem 18 from Page 55. Draw a picture to depict the solutions sets of both the homogeneous and non-homogeneous systems.