18.024 UNIT I: VECTOR ALGEBRA AND GEOMETRY

Tuesday, Feb. 6.

Lecture: Vectors.

Read: Apostol **Vol I** (not II!) 12.1–12.7.

Do: 12.4: 2, 6, 11, 12; 12.8: 2, 3, 7, 10ab, 15, 19, 21.

Thursday, Feb. 8.

Lecture: Linear spaces.

Read: 12.9–12.10, Notes A.1–A.7.

Do: 12.11: 1, 4, 5, 13, 17; 12.15: 3, 4; A.6: 1, 2, 3.

Friday, Feb. 9.

Lecture: Linear independence.

Read: A.8–A.16.

Do: 12.15: 8, 9; A.16: 1, 2, 3, 5, 6, 7.

Tuesday, Feb. 13.

Lecture: Gauss-Jordan reduction; lines.

Read: A.17–A.27.

Do: 13.5: 5, 7, 8, 10; A.24: 3 (optional); A.31: 1, 3, 4a.

Hand in Fri., Feb. 16 in lecture (7 points/problem).

1. A.17: 8.
2. p. 468: 15.
3. A.23: 2.

Date: Spring 2001.