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# Linear Systems

Math 214 Spring 2007  
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Fowler 307 MWF 2:30pm - 3:25pm  
<http://faculty.oxy.edu/ron/math/214/07/>

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## Week 4

Monday February 12 *Class 9:*

**Applications of Linear Systems.** Lots of examples of situations where linear systems can occur.

Reading:

Poole, Section 2.4

Homework #9: (due in *Class 10*)

Poole, Section 2.4 4,**11,12**,31,32,39,**40,41**,46. EXTRA CREDIT 47.

**QUIZ #3 AND BONUS QUIZ DUE**

Wednesday February 14 *Class 10:*

**Properties of Matrices.** We begin Chapter 3 by considering matrices as objects in their own right, and not just as ways of viewing linear systems.

Reading:

Poole, Section 1.3

Homework #10: (due in *Class 11*)

Poole, Section 3.1: 1,2,3,4,5,6,7,**8,34,35**. EXTRA CREDIT 37.

Friday February 16 *Class 11:*

**Understanding Algebraic Operations on Matrices.**

Reading:

Poole, Section 3.2

Homework #11: (due in *Class 12*)

Poole, Section 3.2: 1,2,3,**4,5**,14,24,**37, 44**; EXTRA CREDIT # 45, 46.

**QUIZ #4**