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# Linear Systems

Math 214 Spring 2008  
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Fowler 309 MWF 2:30pm - 3:25pm  
<http://faculty.oxy.edu/ron/math/214/08/>

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## Week 2

**Monday January 28** *Class 3:*

We will consider projections in more depth and examine ways to think about algebraically defining lines using vectors.

Reading:

Poole, Section 1.3

Homework #3: (due in *Class 4*)

Poole, *Section 1.2*: #31, 41, 57, 62, 63, 64

**QUIZ #1 DUE**

**Wednesday January 30** *Class 4:*

Equation of Planes and 3-D Analytic Geometry.

Reading:

Poole, Section 1.3

Homework #4: (due in *Class 5*)

Poole, Section 1.3: 1, 4, 5, 11, 12, 20

**Friday February 1** *Class 5:*

Understanding and Visualizing Linear Systems of Equations.

Reading:

Poole, Section 1.2

Homework #5: (due in *Class 6*)

Poole, Section 1.3: 7, 14, 18, 27, 29; EXTRA CREDIT # 25:

**QUIZ #2**