Assignment  
September 21

Read sections through 2.5 in the text and work the following exercises:

Section 2.5 nos. 1 - 4, 6 - 8, 10, 12, 15, 16, 18, 22, 27, 29 - 31, 34, 36, and 37

**WHS homework**

You should work on the second set (Matrix Operations numbered 02) now.

**Turn in the following, previously assigned problems:**

<table>
<thead>
<tr>
<th>Section</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>8 and 10</td>
</tr>
<tr>
<td>2.2</td>
<td>6 and 25</td>
</tr>
<tr>
<td>2.3</td>
<td>16, 17, and 20</td>
</tr>
</tbody>
</table>

Also the problem from the lecture notes (the last page of solv_lin_eqn2) on showing that the dot product is linear. You may assume that n = 3, i.e. the vectors belong to $\mathbb{R}^3$.

You may either email those in to us or mail them to: Scott Metcalf  
Wallace 313  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475

They do not have to be typed.

Assignment  
September 28

Read sections 2.6 through 2.8 in the text and work the following exercises:

Section 2.6 nos. 2, 4, 6, 8 - 10, 15, 16, 18, 20, 25, and 26

Section 2.7 nos. 1 - 4, 7 - 10, 15, 16, 19, 20, 22, 24, 30, 32, and 34