Practice Problems for Midterm Exam, Part I.

Solve the problems given below, but do NOT turn them in. Talk them over with members of your group before solutions are posted October 27.

1) On Thursday October 15, you and your fellow students were matched randomly to play the following attacker/defender game.

<table>
<thead>
<tr>
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<th>C1</th>
<th>C2</th>
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<tbody>
<tr>
<td>R1</td>
<td>-3, 3</td>
<td>4, -4</td>
</tr>
<tr>
<td>R2</td>
<td>2, -2</td>
<td>-3, 3</td>
</tr>
</tbody>
</table>

   a. Find all pure Nash equilibria (NE) of the game, if any.
   b. Find all mixed NE, if any.
   c. Find on the class website the actual data generated by the class. Compare to any relevant NE, and discuss the discrepancies.

2) Do the following problems from Harrington.
   a) Chapter 7: #5, 10, 18.
   b) Chapter 8: #1, 5, 11.
   c) Chapter 9: #2, 11.

3) Try all the problems on last year’s midterm exam, attached separately.