RATES and UNIT RATES HOMEWORK

**Directions**: use division or multiplication to find unit rates to solve the following questions. Be sure to show your work. Label each unit rate.

1. SuperFoods has oranges on sale at 10 for $2.
   
a. Complete this rate table.

   **Cost of Oranges at SuperFoods**

<table>
<thead>
<tr>
<th>Oranges</th>
<th>10</th>
<th>1</th>
<th>20</th>
<th>11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost</td>
<td>$2.00</td>
<td>$1.00</td>
<td></td>
<td>$2.60</td>
</tr>
</tbody>
</table>

2. It takes 100 maple trees to make 25 gallons of maple syrup.
   
a. How many maple trees does it take for 1 gallon of syrup?

   b. How much syrup can you get from one maple tree?

3a. At the CornerMarket grocery store, you can buy eight cans of tomatoes for $9. The cans are the same size as those at CannedStuff, which sells six cans for $5. Are the tomatoes at CornerMarket a better buy than the tomatoes at CannedStuff?

   b. What comparison strategies did you use to choose between CornerMarket and CannedStuff tomatoes? Why?
4. When she drives to work, Louise travels 10 miles in about 15 minutes. Kareem travels 23 miles in about 30 minutes. Who has the faster average speed?

5. Rolanda and Mali ride bikes at a steady pace. Rolanda rides 8 miles in 32 minutes. Mali rides 2 miles in 10 minutes. Who rides faster?

6. Choose the fastest walker.
   
   A. Montel walks 3 miles in 1 hour.   
   B. Jerry walks 6 miles in 2 hours.  
   C. Phil walks 6 miles in 1.5 hours.  
   D. Rosie walks 9 miles in 2 hours. 

7. Wendy earns $450 for working 36 hours in one week. Write how much she earns in an hour as a unit rate.

8. Determine which is the better buy. Be sure to show your work:

   Salsa:  
   A. 16 ounces for $3.36  
   B. 24 ounces for $4.80