V. TEST

1 gallon = ______ quarts = ______ ounces  
1 acre = ______ square feet  
1 square yard = ______ square feet

Formula for the area of a rectangle -  
Formula for the area of a triangle -  
Formula for the area of a circle -

You find the following information on a "Route Sheet":

**Tank Fill:**
- Water 500 gal.  
- Nitrogen 150 lbs.  
- Herbicide 50 oz.  
- Insecticide 350 oz.

<table>
<thead>
<tr>
<th>City</th>
<th>Time</th>
<th>Odometer</th>
<th>Name</th>
<th>Address</th>
<th>Sq Ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>A)</td>
<td>SV</td>
<td>8:00</td>
<td>54675.7</td>
<td>Richards</td>
<td>428 W 550 S</td>
</tr>
<tr>
<td>B)</td>
<td>SV</td>
<td>8:14</td>
<td>54678.3</td>
<td>Bleven</td>
<td>696 E 700 S</td>
</tr>
<tr>
<td>C)</td>
<td>SV</td>
<td>8:31</td>
<td>54679.8</td>
<td>Samuels</td>
<td>896 S 380 E</td>
</tr>
<tr>
<td>D)</td>
<td>SV</td>
<td>8:45</td>
<td>54683.1</td>
<td>Thompson</td>
<td>43 S 700 W</td>
</tr>
<tr>
<td>E)</td>
<td>SV</td>
<td>8:59</td>
<td>54683.7</td>
<td>Jackson</td>
<td>729 E 500 N</td>
</tr>
</tbody>
</table>

Gallons remaining: 390.  
Gallons are mixed in a 500-gallon tank.

How many miles were driven?......................................................................................................................

What is the application rate for nitrogen per gallon?........................................................................................................

How many square feet were sprayed?.....................................................................................................................

How many gallons were sprayed?..............................................................................................................................

On average, how many gallons were applied per 1000 sq ft?......................................................................................

What is the application rate for herbicide per gallon?.................................................................................................

What is the application rate for herbicide per 1000 sq ft?............................................................................................

List the houses so that the driving distance would be minimized: 1st ______ , 2nd ______ , 3rd ______, 4th ______, 5th ______.

____________________   ____________________________  
Signature                      Date