1. THE INTERNETS

(2 points) List one way in which the Internet is like a big truck:

Circle the answer that is the most true:

This protocol powers the web:
SMTP IMAP IP TCP HTTP

The Internet is built on:
XMPP IP ETHERNET XYZPDQ

The following layer of the Internet’s layered architecture is most likely to vary from user to user:
Data Link Layer Network Layer Transport Layer
2. XHTML/CSS

Provide the code necessary to create this web page:

```html
<!-- HTML Page Code -->

The happy face image is at URL happyface.png and the stick man at stickman.png. The background color behind the 2nd level headings is green. The smallest size font is 1em, and the biggest is 400%. You might find the following CSS properties and possible values useful – the table only contains a rarer subset and isn’t an exhaustive list of those you’ll need. If you’re unsure of the exact names, make something up that describes what you want.

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>background-image</td>
<td>url(...)</td>
</tr>
<tr>
<td>background-repeat</td>
<td>repeat-x repeat-y none</td>
</tr>
<tr>
<td>background-position</td>
<td>top bottom left right</td>
</tr>
</tbody>
</table>
```

```css
/* CSS Code */
```
Fill in the HTML necessary to create this page:

```
...
<body>

</body>
```

Put your CSS here:

```
...
```

Write the contents of a Javascript file that is included in your HTML page (you don’t have to add it to your HTML) that alerts “Hey there man!” when the stickman is clicked. Use the `addEventListener` to make this work.
3. **SEE YOU ON THE FLIP SIDE**

List a specific reason why you would use server-side programming (PHP) instead of client-side programming (JavaScript).

a.

For the following scenario, briefly describe what you would implement on the client versus what you would implement on the server. You may not need both client and server-side components for all problems, but you should allow for a workable, usable solution.

*A user submits their phone number, which you need in the format XXX-XXX-XXXX.*

**Client:**

**Server:**

For the following questions, specify which of *Content, Presentation, and Behavior* have been improperly combined:

<span class="heading">Project Title</span>

<a href="google.com" onmouseover="this.style.color='#FF0000'">THE GOOG</a>
4. VALIDATE THIS!

Describe in words what the following regular expressions recognize:

/^I'm on a boat.$/

/[A-Z]\w+/

Write a regular expression that recognizes names. Assume names can optionally start with Mr., Ms., Mrs., or Dr. and are otherwise comprised of two or three names which are capitalized. The middle name can optionally be replaced by a middle initial of the form (X.).

For instance, the following names should be matched:
Dr. Jeffrey P. Bigham, Susan B. Anthony, Dr. Michael Jackson, Mrs. George Bush.

The following should not be matched:
5. JAVASCRIPTACULOUS
---HTML---
<form id="mrof">
  <select id="id_s1" name="name_s1" class="boat">
    <option value="Blank">Blank</option>
  </select>
  <div id="divvy">
    <input id="id_r1" name="r1" class="boat" value="three" />
    <input id="id_r2" name="r2" class="boat" value="one" />
    <input id="id_r3" name="r3" class="highlight" value="two" />
  </div>
  <input type="submit" id="id_b1" name="name_b1" value="val_b1" />
</form>

--Javascript--
var item = document.getElementsByTagName("input");
item[2].value="I’m on a boat.";

Rewrite the Javascript above to set the value of all of the textboxes to the value of the input element with id "id_r1".

Replace the original code with an equivalent using Prototype’s $ notation.

Use Prototype’s $$ notation and the remove method to remove all of the input elements from the form.