Average Rate of Change from a table and an equation

Linear
Use the table to find the average rate of change over the given intervals

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>2</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>y</td>
<td>25</td>
<td>22</td>
<td>19</td>
<td>16</td>
<td>13</td>
<td>10</td>
</tr>
</tbody>
</table>

a) $x = 0$ to $x = 3$  
b) $x = 2$ to $x = 6$  
c) $x = 100$ to $x = 5000$

Use the equation to find the average rate of change over the given intervals

2. $y = 2x + 5$
   a) $x = 0$ to $x = 3$  
b) $x = 2$ to $x = 6$  
c) $x = 100$ to $x = 5000$

3. $y = -\frac{1}{2}x + 9$
   a) $x = 0$ to $x = 3$  
b) $x = 2$ to $x = 6$  
c) $x = 100$ to $x = 5000$