Graph each of the following equations on the graph below and label the equation.

1. Graph using \( y = mx + b \).
   a) \( y = 3x - 4 \)
      \[ m = \quad b = \]
   b) \( y = x + 1 \)
      \[ m = \quad b = \]
   c) \( y = -2x + 2 \)
      \[ m = \quad b = \]
   d) \( y = -x - 3 \)
      \[ m = \quad b = \]
2. Graph using x- and y-intercepts.
   a) \(2x + 3y = 6\)
      x-int: y-int:
   b) \(x - 2y = -8\)
      x-int: y-int:
   c) \(-3x + y = -3\)
      x-int: y-int:
   d) \(-4x - 2y = 6\)
      x-int: y-int:
3. Graph using a table.

a) $y = 2x - 1$

<table>
<thead>
<tr>
<th>$x$</th>
<th>$y$</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

b) $2x + y = 4$

<table>
<thead>
<tr>
<th>$x$</th>
<th>$y$</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
Extra Questions:

1. Graph using the table below.
   a) \( y = x + 4 \)
   
<table>
<thead>
<tr>
<th>x</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>
   
   b) \( 2x + 2y = 8 \)

2. Graph using x- and y-intercepts.
   a) \( 4x + y = 8 \)
   
   x-int: 
   y-int: 

   b) \( -2x + 6y = -6 \)
   
   x-int: 
   y-int: 

3. Graph using slope and y-intercept.
   a) \( y = 3x - 2 \)
   
   slope: 
   y-int.: 

   b) \( y = -\frac{1}{2}x + 1 \)
   
   slope: 
   y-int.: 