Graphing Lines Review

1. For each of the following lines, state the x-intercept, y-intercept, slope, and equation.

<table>
<thead>
<tr>
<th>X-Intercept</th>
<th>Slope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y-Intercept</td>
<td></td>
</tr>
<tr>
<td>Equation</td>
<td></td>
</tr>
</tbody>
</table>

a)

b)

2. Graph each of the following lines using the slope and y-intercept.

a) \[ y = \frac{3}{2}x - 1 \]

b) \[ y = -\frac{5}{4}x + 7 \]
c) \[ y = x - 9 \]

d) \[ y - 5 = 0 \]

3. Which of the following graphs could be the line \[ y = -3x - 1 \]? Justify your answer.

(Write your answer using Answer – Proof – Explain)

A] 

B] 

C] 

4. Determine the value of \( B \) in the point \((B, -1)\) if the point lies on a line that passes through the origin and is perpendicular to the line \( y = -5x + 2 \).