Graph the following inequalities.

1. \( 2x + y \geq -5 \)

2. Is the point \((1, -3)\) a solution to the inequality above? Why or why not?
3. \(-3x - y < 1\)

4. Is the point \((-1, 2)\) a solution to the inequality above? Why or why not?
5. Is the following graph a function? Why or why not?

6. Is the following graph a function? Why or why not?
Create a linear equation from the following table.

7.

<table>
<thead>
<tr>
<th>x</th>
<th>y</th>
</tr>
</thead>
<tbody>
<tr>
<td>-2</td>
<td>-2</td>
</tr>
<tr>
<td>-1</td>
<td>2</td>
</tr>
<tr>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>14</td>
</tr>
</tbody>
</table>

Create a linear equation from the following graph.

8.
9. x-intercept(s):
10. y-intercept(s):
11. increasing interval:
12. decreasing interval:
13. constant:
14. maximum:
15. minimum:
16. domain:
17. range:
18. positive interval:
19. negative interval:
20. asymptote(s):
21. end behavior: