Using the graph below, perform the following:

1.) Draw a line that has a positive slope and label it A
2.) Draw a line that has a negative slope and label it B.
3.) Draw a line that has an undefined slope and label it C

**Find the slope of the line passing through the points.**

4. (-2, 0) and (5, 7)  
5. (-3, -6) and (1, -7)

6. (2, -1) and (7, -1)  
7. (4, -3) and (4, 2)

**Find the slope of the line in each graph.**

8.) \( m = \)  
9.) \( m = \)  
10.) \( m = \)
Find each rate of change. 

11.)

<table>
<thead>
<tr>
<th>x</th>
<th>y</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>13</td>
</tr>
<tr>
<td>6</td>
<td>16</td>
</tr>
<tr>
<td>7</td>
<td>19</td>
</tr>
</tbody>
</table>

12.)

<table>
<thead>
<tr>
<th>x</th>
<th>2</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>y</td>
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<td>24</td>
<td>30</td>
<td>36</td>
<td>42</td>
<td>48</td>
</tr>
</tbody>
</table>

Find each rate of change and describe what it represents.

13.) This graph shows the heat index versus relative humidity at a temperature of 80°F.

14.)

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Volume of Gas (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>40</td>
<td>65</td>
</tr>
<tr>
<td>60</td>
<td>70</td>
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<tr>
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<tr>
<td>100</td>
<td>80</td>
</tr>
<tr>
<td>120</td>
<td>88</td>
</tr>
</tbody>
</table>

What is the slope of the line containing point T and point U?

A. 5
B. 1.2
C. 1
D. 0.2