

# Mathematics 20-3

## Student Self-Reflection Tool

### Which Roller Coaster is For Me?

Name \_\_\_\_\_

<b>CRITERIA</b>		<b>REFLECTION</b>
<b>Criteria: I need to...</b>	<b>What it means...</b>	
correctly calculate the slopes.	<ul style="list-style-type: none"> <li>• Determine the slopes using rise/run.</li> <li>• Determine the slopes using the grids and line segments provided.</li> </ul>	
explain the implication of slope on the roller coaster's speed in an <b>astute</b> manner.	<ul style="list-style-type: none"> <li>• Consider the three different slopes, and explain which roller coaster would go fastest, and why.</li> <li>• Consider the three different slopes, and explain which roller coaster would go slowest, and why.</li> </ul>	
provide a <b>compelling</b> justification of the choice.	<ul style="list-style-type: none"> <li>• Support the choice with careful consideration of personal factors.</li> <li>• Write a clear and interesting explanation of the choice.</li> </ul>	
describe the graphical representation in terms of slope in an <b>explicit</b> manner.	<ul style="list-style-type: none"> <li>• Break the graph into its segments.</li> <li>• Describe what is happening at each of those segments.</li> <li>• Describe what a rider on the roller coaster would be experiencing at each of those segments.</li> </ul>	