Scoring rubric for Rollercoaster

Name: _____   Total Score: _____/70

	What I'm scoring you on:	State Fair Coaster (0-1 points)	Disney's Gadget's Go Coaster (2-4 points)	Big Thunder Mountain Railroad (5-6 points)	Drachen Fire (7 points)	Your Score:
Part 1:	Parabola	✓ No equation	✓ One or more equations with more than one error	✓ One or more equations with one error	✓ One or more equations with no errors	
	Ellipse	✓ No equation	✓ One or more equations with more than one error	✓ One or more equations with one error	✓ One or more equations with no errors	
	Hyperbola	✓ No equation	✓ One or more equations with more than one error	✓ One or more equations with one error	✓ One or more equations with no errors	
	Circle	✓ No equation	✓ One or more equations with more than one error	✓ One or more equations with one error	✓ One or more equations with no errors	
Part 2:	Speeds	✓ Less than 2 speeds calculated correctly	✓ 2-3 speeds calculated correctly, or friction is ignored	✓ 4-5 speeds calculated correctly	✓ All speeds calculated correctly	

	What I'm scoring you on	State Fair Coaster (0-1 points)	Disney's Go Coaster (2-3 points)	Thunder Mountain Railroad (4-5 points)	Drakenfire (6-7 points)	Your Score:
Part 3:	Appearance	✓ Minimal or no theme/decorations	✓ Some theme/decorations but not cohesive	✓ Theme/decorations cohesive	✓ Outstanding theme/decorations ✓ Visually appealing	
	Structure	✓ Not structurally sound. Falling apart and shapes not accurate	✓ Mostly structurally sound. Some parts collapsing, falling apart, or shapes not accurate	✓ Structurally sound. Only one or two parts collapsing, falling apart, or shapes not accurate	✓ Structurally sound. Shapes look accurate and all parts stay together	
	Scale	✓ No scale taken into account	✓ Some parts are to scale, but not all	✓ Only one or two parts not to scale	✓ Scale matches drawing	