

Calculus Challenge Problem # 3

I apologize for getting the results out so late. I think I have most of the competing responsibilities ironed out, so that, after the winter break, I should be more efficient in getting out results.

This problem was more difficult than I had planned. There was a lot to consider in creating the transition curves. I choose the intersection of the two lines as the origin. Most student solutions had the origin as the vertex of the quadratic or the center of the circle. I think your choice was better than mine.

Over all, students produced some very nice work.

Results:

School	Teacher	Score	Cumulative Score
Bellville High School	Trudy Durham	5	15
Benjamin Cardozo High School	Ken Rubel	5	15
Blessed Trinity Catholic High School	Amy Muller	2	6
Eagle's Landing Christian Academy	Deborah Brown		2.5
Fike High School	Christie Wuebbles		4.5
Gleneagle Secondary School	Nevena Savovic	3	13
Gray Stone Day School	Robin Dassler		8.5
Hickman High School	Deanna Wasman	5	13.5
Head-Royce School	Shahana Sarkar	2	4.5
La Habra High School A	Barbara De Roes		5
La Habra High School B	Barbara De Roes		10
North Lamar High School	Kathy Stewart		3.5
Norwalk High School	Chris Higgins		4.5
Pine View School	Ann Hankinson	5	15