

Results: Calculus Challenge Problem # 2

Students did a very nice job with the first three parts, deriving the new formula and using it to compute the derivatives of the square root and reciprocal functions. They had some trouble with $f(x) = x^2$ (which is appropriate, since this was intended to challenge them). Each group recognized the problem of the inverse not being a function, but some dealt with it more effectively than others.

School	Location	Teacher	Score
Brookwood High School	Snellville, GA	Chris Michael	5
Diamond Bar High School	Diamond Bar, CA	Howard Alcosser	3
Farmington High	Farmington CT	Chris Lepi	3
La Habra High School (B)	La Habra, CA	Barbara De Roes	5
Hickman High School	Columbia, MO	Deanna Wasman	2
Land O'Lakes High School	Land O'Lakes, FL	Patrick Connolly	3
Langley High School	McLean, VA	Pamela Douglas	4
Rockford High School		Fred Reusch	4
Seaholm High School	Birmingham, MI	Eric Burns	3
Walton High School	Marietta, GA	Tom Fulton	3
The Westminster Schools	Atlanta, GA	Ellen Vesey	3

Cumulative Summary

School	Location	Teacher	Score
Brookwood High School	Snellville, GA	Chris Michael	10
Diamond Bar High School	Diamond Bar, CA	Howard Alcosser	7
Farmington High	Farmington CT	Chris Lepi	3
James River High School	Midlothian, VA	Jan Nelson	4
La Habra High School (A)	La Habra, CA	Barbara De Roes	5
La Habra High School (B)	La Habra, CA	Barbara De Roes	10
Hickman High School	Columbia, MO	Deanna Wasman	7
Land O'Lakes High School	Land O'Lakes, FL	Patrick Connolly	8
Rockford High School		Fred Reusch	9
Shawnee Mission South High School	Overland Park, KS	Vince Lavergne	5
Seaholm High School	Birmingham, MI	Eric Burns	8
Walton High School	Marietta, GA	Tom Fulton	8
West Lafayette Jr. Sr. High School	West Lafayette, IN	Joyce Gates	5
The Westminster Schools	Atlanta, GA	Ellen Vesey	8