

Results: Calculus Challenge Problem # 7

The students had some trouble with the domain issues involved in this problem. If two functions have derivatives that are equal, then they differ by a constant, but is it possible for that constant to change. As this problem shows, the answer is yes. I'm not sure what we call a constant that changes...

School	Location	Teacher	Score
Hickman High School	Columbia, MO	Deanna Wasman	3
La Habra High School (B)	La Habra, CA	Barbara De Roes	5
Land O'Lakes High School	Land O'Lakes, FL	Patrick Connolly	3
Rockford High School		Fred Reusch	4
Walton High School	Marietta, GA	Tom Fulton	3
The Westminster Schools	Atlanta, GA	Ellen Vesey	5

Cumulative Summary

School	Location	Teacher	Score
Brookwood High School	Snellville, GA	Chris Michael	10
Diamond Bar High School	Diamond Bar, CA	Howard Alcosser	14
Farmington High	Farmington CT	Chris Lepi	16.5
James River High School	Midlothian, VA	Jan Nelson	4
La Habra High School (B)	La Habra, CA	Barbara De Roes	35
Hickman High School	Columbia, MO	Deanna Wasman	21.5
Land O'Lakes High School	Land O'Lakes, FL	Patrick Connolly	29.5
Rockford High School		Fred Reusch	33
Shawnee Mission South High School	Overland Park, KS	Vince Lavergne	5
Seaholm High School	Birmingham, MI	Eric Bruns	12
Walton High School	Marietta, GA	Tom Fulton	31
West Lafayette Jr. Sr. High School	West Lafayette, IN	Joyce Gates	5
The Westminster Schools	Atlanta, GA	Ellen Vesey	32.5