Average Rate of Change!

You already know average rate of change. You’re just used to calling it slope.

Example:

Let

* Find the average rate of change of from to .

* Find the average rate of change of from to .

Try these:

Find the average ROC of *g* on

Find the average ROC of *g* on

Find the average ROC of *g* on (1, 4)

Find the average ROC of *g* on

For more practice, see the book, Section 2.1, page 187 number 78.

My favorite math problem (well…one of them) of all time!!!

The police have accused a driver of breaking the speed limit of 60 miles per hour. As proof, they provide two photographs. One photo shows the driver's car passing a toll booth at exactly 6 PM. The second photo shows the driver's car passing another toll both 31 miles down the highway at exactly 6:30 PM. Does the photo evidence prove that the driver broke the speed limit during this time?

Use Average Rate of Change to help solve the mystery!