

Pretest.

Name _____

A pink Cadillac leaves Oklahoma City 6 AM, headed west on I-40 with the cruise control set at 70 mph. A federal agent in a Toyota follows, leaving at 7 AM and travelling 85 mph. When does the Toyota catch up?

1) List some important mathematical ideas in the middle/high-school curriculum that this problem could be used to illustrate.

2) Write a solution that models good exposition and shows the use of the mathematical ideas you listed in 1).