

Mission #2

CS 1400 – Hilton

I don't know about you, but I love a good road trip! If you drive slowly on a road trip, it will take longer to reach the destination. If you drive fast, it stands to reason that you will arrive faster. I know that none of you would ever intentionally speed. But, hypothetically, how much time do you actually save by driving faster?

Write a Java program that calculates how many minutes will be saved on a drive by driving faster than the speed limit. Prompt the user to enter:

- Name of the destination
- Number of miles to the destination
- Speed limit
- How many mph over the speed limit you wish to drive

Calculate the result in minutes, and print the results for the user.

Sample session:

```
Please enter your destination:
```

```
Kearney, Nebraska
```

```
How many miles is it to Kearney, Nebraska?:
```

```
743
```

```
What is the speed limit?
```

```
80
```

```
How fast do you plan on driving over the speed limit (in mph)?:
```

```
5
```

```
You will arrive in Kearney, Nebraska 32.77941176470591 minutes  
faster by driving 5.0 mph over the speed limit.
```

Name your file `Mission02[LastName].java` and submit it via Canvas.