

Homework 1
assigned: 1/19/17
due: 1/26/17

Name: _____

Show your work and clearly state assumptions.

(3 pts) 1. Estimate the total number of airplane flights that all Americans take in 1 year.

(2 pts) 2. How far does light travel in 1 nanosecond?

(5 pts) 3. Driver's Ed, redux: You are driving a car and pass a long "semi trailer" truck. The truck is traveling at 90 km/hr, and you pass at a constant velocity of 110 km/hr. Estimate the distance you have traveled when you finish passing the truck.