## HW3 SOLUTIONS



(c) Now the speed of light is 100 km/hour and  $\gamma \approx 22$ . Your clocks duration will be  $\frac{6}{22}$  minutes, so your watch is slow by  $\frac{6}{22} - 6 \approx -5.7$  minutes.

2. Simply travel in a train or car at speeds close to 100 km/hour, within a few minutes (according to your watch) apply the breaks. It will be Friday. Unfortunately there is no way to come back to Wednesday (no backwards in time travel).