# Physics 20 Problem Set 5

## Harry Nelson

### due Monday, November 1, by 5pm
### to the Physics 20 Boxes in Broida Hall's Lobby

**Course Announcments:**

These problems pertain to the fifth week's 2 lectures, and the corresponding reading is 52-75 of KK, Chapter 5 of RHK4, pp. 27-38 of KK, and pp. 62-64 of RHK4. The main topics are Newtons' laws and generalized circular motion.

1. KK 2.5

2. KK 2.13

3. KK 1.17

4. KK 1.19; make the radius of the tire $r$.

5. KK 1.20; here it helps to use the $\theta$ equation to eliminate $t$ after you take derivatives.