

Physics 20, Fall 2011
Homework Set 5
Due: 5pm Monday, November 7, 2011

Turn homework into the **Phys 20 box on the 2nd floor of Broida Hall**, directly in front of the elevators. (It's labeled with the names of the professor and TA.)

Problem "KK" stands for "Problem in Kleppner & Kolenkow"

Please show your work, and write neatly.

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 θ equation to eliminate t after you take derivatives.
6. KK 2.9

DME 10/28/11