Practice #1: A baseball is pitched with a speed of 35 m/s. If the baseball has a mass of .146 kg, what is the kinetic energy (in J) of the baseball?

Practice #2: The greatest speed that a meteoroid can have and still be pulled down to Earth's surface is 70,000 m/s. If a meteoroid traveling with this speed has a kinetic energy of 2.56×10^{13} J, what is its mass (in kg)?

Practice #3: A 725 kg automobile has a kinetic energy of 3.02×10^5 J as it travels along a highway. What is the car's speed (in m/s).