

Name _____
Regents Physics
Period _____

Date _____
Measure & Math WS 7R
Mr. Moy

More Kinematics

1. Rick O'Shea accelerates his car from 10.7 m/s to 16.1 m/s in 17.0 seconds to pass a bus full of nuns heading north. What is his acceleration?
2. Ophelia Paine decelerates her Harley Fatboy at a rate of 0.52 m/s^2 in order to avoid hitting Rick who is passing the bus and coming towards her. If it takes her 5.9 seconds to slow down to 8.8 m/s, what was her initial velocity?
3. Ray Zenz slams on the brakes of his Camaro SS in order to avoid hitting a family of ducks crossing the road. If his initial velocity was 11.3 m/s, and it took him 25 meters to come to a complete stop, what was his deceleration?
4. In the balmy waters off key largo Sandy Beech's speedboat can accelerate at a rate of 1.06 m/s^2 . How many meters does Sandy travel in her speedboat if she accelerates from 4.91 m/s to 10.38 m/s?