One dimensional kinematics extra practice

Answer the following problems

1. Starting from rest, a ball rolls down an incline at a constant acceleration of 2.00 m/s2.
2. What is the velocity of the ball after 8.5 s? b) How far does the ball roll in 10.0 s?
3. A car traveling at 25 m/s undergoes a constant acceleration of - 6.0 m/s2. (a) How long does it take the car to come to a stop? (b) How far does the car travel after the brakes are applied?
4. An object starts from rest and moves with constant acceleration for a distance of 150. m in 25.0 s. What is the acceleration of the object? How fast is it moving after 25.0 s?
5. A ball initially at rest rolls down a hill with an acceleration of 2.5 m/s2. (a) If it accelerates for 8 s, how far will it move? (b) How far would it have moved if it started at 10.0 m/s rather than at rest?
6. A boy sliding down a hill accelerates at 1.10 m/s2. If he started from rest, in what distance would he reach a velocity of 10.00 m/s? How long would this take? What would be his average velocity during this time?