Acceleration day 2

1. Moments after a stopwatch is started, a car starts travelling in the positive direction at 10 . The driver steps on the gas, accelerating the car uniformly at 5 . When the stopwatch reads 12 s, the car is travelling at a velocity of 30 . What was the reading on the stopwatch when the driver stepped on the gas?
2. A ball is thrown straight up with a velocity of 40 . How long does it take for the ball to reach its maximum height?
3. A rock is dropped from the top of a cliff... what is its velocity after 7.2s?
4. A ball is rolling with a velocity of 5 in the negative direction. A strong wind applies a uniform acceleration on the ball until it has a velocity of 6 in the positive direction thirteen seconds later. What is the acceleration the ball was subjected to?
5. A group of people are attempting to calculate the terminal velocity for a human in a certain pose. 3s after a stopwatch is started, the body was falling at 4.95 . What is the terminal velocity for a human in this posture if the body reached terminal velocity at 9s?
6. Sometime after a stopwatch is started, a toy car starts accelerating with a constant acceleration of 0.5 in the negative direction. If it reaches a velocity of 3.10 in the negative direction when the stopwatch read 6s, what was its velocity when the stopwatch read 4s?