Physics math. Remember pictures are worth marks!!!

1. A woman starts running due west. If she covers 5 km in 1.7 hr, what is her velocity?
2. A dog runs at a constant velocity of 4.1 [N] for 7 s. What is its position at the end of its run?
3. A ball travels 16.2 meters to the west at a constant velocity of 5 [W]. How long did this journey take?
4. A tennis ball is falling at a constant velocity of 26 m/s. It passes the top of a window frame 20 m beneath the roof at t=2.0 s. If the bottom of the window is 25m beneath the roof, how long did it take for the ball to pass the window?
5. A runner is travelling west towards a finish line. The runner passes a timing station at t=5.1 s and the finish line at 12.7 s. If the timing station is 30 m from the finish line, what is the runner’s average velocity from the timing station to the finish line?
6. A car begins travelling at a constant velocity of 25 [E] at t=0 hr. After a certain amount of time, the car passes a toll booth 4 km [E] of the starting point and continues on to pass the finish line 16 km [E] of the starting point at t= 2.1 hr. At what time did the car pass the toll booth?
7. A ball is rolling at a constant velocity of 5 in the negative direction. It passes a shrub -3 m from the starting point at t=3 s and continues rolling till it hits a wall. If it hits the wall at t= 5 s, how far is the wall from the shrub?

Do lab 8-2C on p 370