Fall Timers

Name _____
Period _____

Time	Altitude
0 Minutes	
0:10	
0:20	
0:30	
0:40	
0:50	
1:00	
1:10	
1:20	
1:30	
1:40	
1:50	
2:00	
2:10	
2:20	
2:30	
2:40	
2:50	
3:00	
3:10	
3:20	
3:30	
3:40	
3:___	

1. Watch the skydiving video and record the altitude for the skydiver every ten seconds.

2. Draw a graph for the data collected.
   Time on the X axis
   Altitude on the Y axis

3. How long did it take for the skydiver to reach the ground?_____

4. How long was the skydiver in a free fall?
_____

5. How long was the skydiver falling with her parachute out? _____

6. How far did the skydiver fall from the plane to the ground? _____

7. How far did the skydiver free fall?
_____

8. How far did the skydiver fall with her parachute out? _____

9. Calculate the average speed the skydiver was falling from the plane to the ground?

Speed = $^{\text{Distance}}/_{\text{Time}}$

10. Calculate the average speed of the skydiver was falling from the plane to the point where she opened her parachute?

11. Calculate the average speed of the skydiver was falling from the opening of the parachute to the ground?