A spider went on a journey. The spider travelled 2m [N], followed by 3m [E] and then 4m [S30°W]. What is the spider's net displacement for his journey? Organize your thinking in a table and include a diagram please. (8 marks)

- 2. An old car is stopped at a traffic light on the highway. The car can accelerate at an average rate of 4.0m/s². The posted speed limit is 90km/hr. (7 marks)
 - a. How long (time) does it take the car to get up to the posted speed limit?

b. How far does the car travel before reaching the posted speed limit?