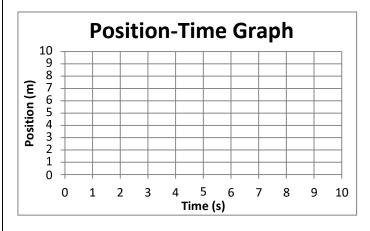


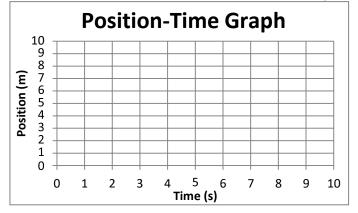
Drawing Position-Time Graphs

Problem 1: A car travels 6 meters in 3 seconds. It then stops for 5 seconds. Then the car goes 2 meters in 2 seconds.



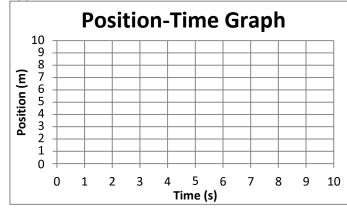
- a. What is the velocity of the car for the first 3 seconds?
- b. What is the velocity of the car from times 3-8 seconds?
- c. During which time is the car moving faster, 0-3s or 8-10s? How could you know this without calculating the velocity?

Problem 2: A car travels 8 meters in 2 seconds. It stays motionless for 3 seconds. It then goes -5 meters in 5 seconds.



- a. What is the velocity of the car for the first 2 seconds?
- b. What is the velocity of the car from times 2-5 seconds?
- c. What is the velocity of the car from times 5-10s?

Problem 3: A car travels 5 meters in 2 seconds. The car then stays motionless for 2 seconds. It then moves 5 meters in the opposite direction in 4 seconds. Last, the car moves forward at 3m/s for 2 seconds.



- a. What is the velocity of the car for the first 2 seconds?
- b. What is the velocity of the car from times 4-8 seconds?
- c. How far did the car move from 8-10s?