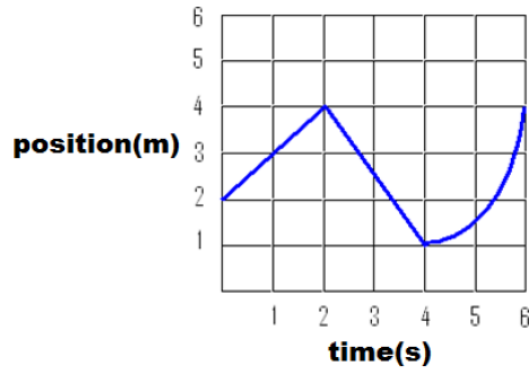


Unit 1: Quiz 14
1-Dimensional Motion

1. In the following graph, is the speed greater during the first 5 seconds or the last 5 seconds? Explain.



2. For the following graph:



- a. What is the average velocity for the first 2s?
- b. What is the average velocity between 2s and 6s?

3. When you drop a ball, it accelerates downward at 9.8 m/s^2 . If you instead throw it downward, then its acceleration immediately after leaving your hand, assuming no air resistance, is:
- a. 9.8 m/s^2
 - b. More than 9.8 m/s^2
 - c. Less than 9.8 m/s^2
4. A motorcycle accelerates from rest at a constant rate of 5 m/s^2 . What is its velocity after 6 seconds?