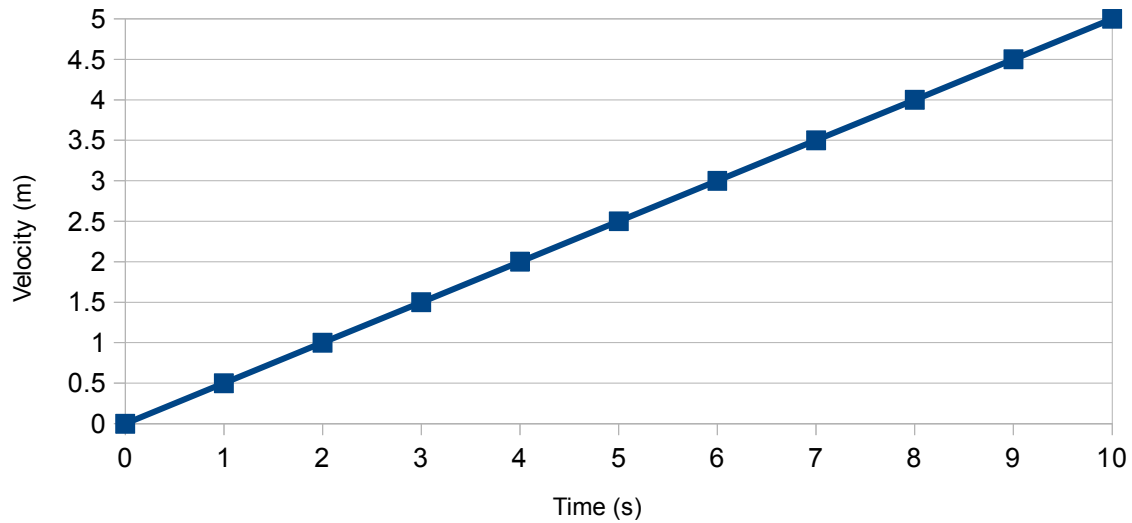
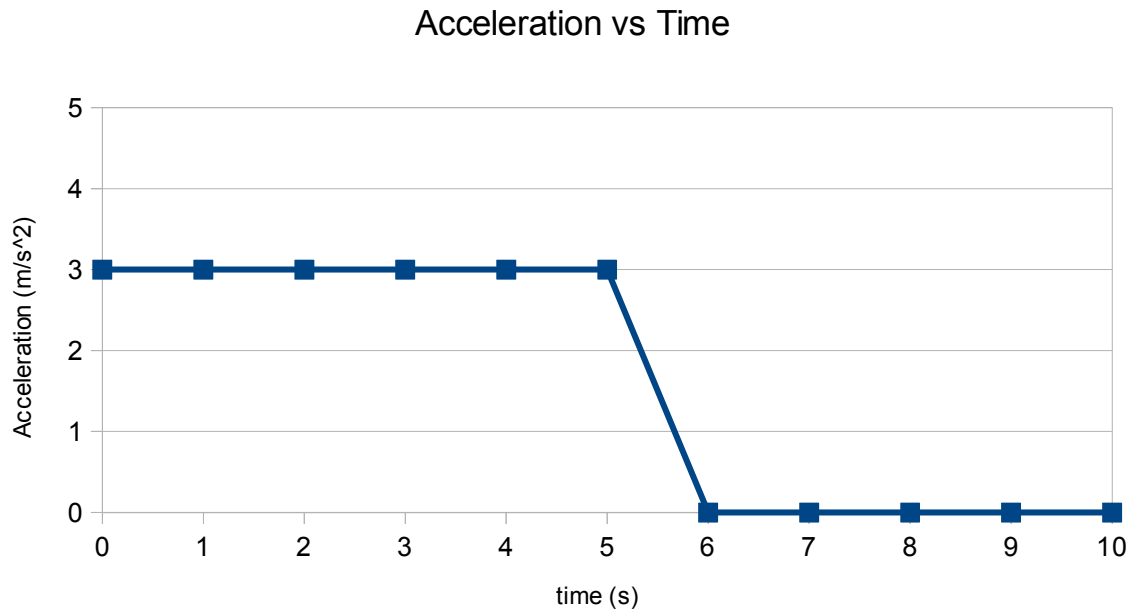


### In Class Activity

### Velocity vs Time



1. What type of motion is shown in the graph above?
  - (a) Constant Position
  - (b) Constant Velocity
  - (c) Constant Acceleration
  - (d) None of the Above
2. Calculate the acceleration of the object.
3. What is the distance the object travels from 0 seconds to 4 seconds?
4. What is the distance the object travels from 8 to 10 seconds?



5. Describe the motion of the object shown in the graph above.
6. The object is at rest at  $t=0\text{s}$ . What is the velocity of the object at 4 seconds?
7. What is the distance traveled by the object between 0 and 3 seconds?