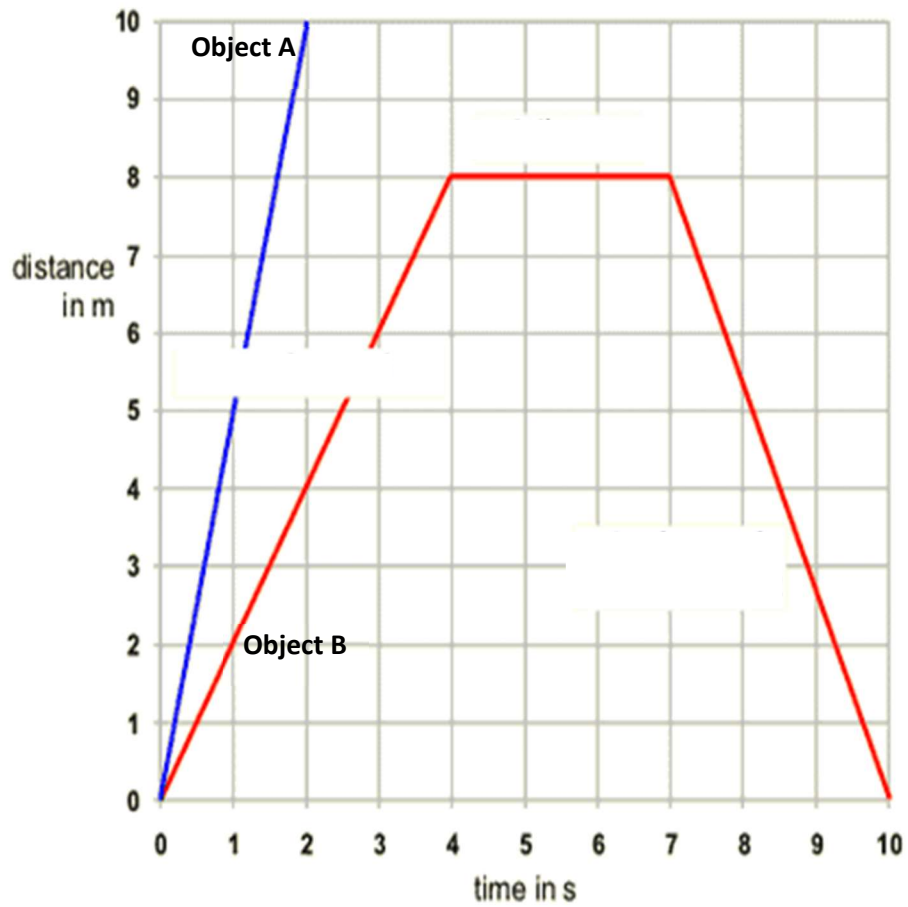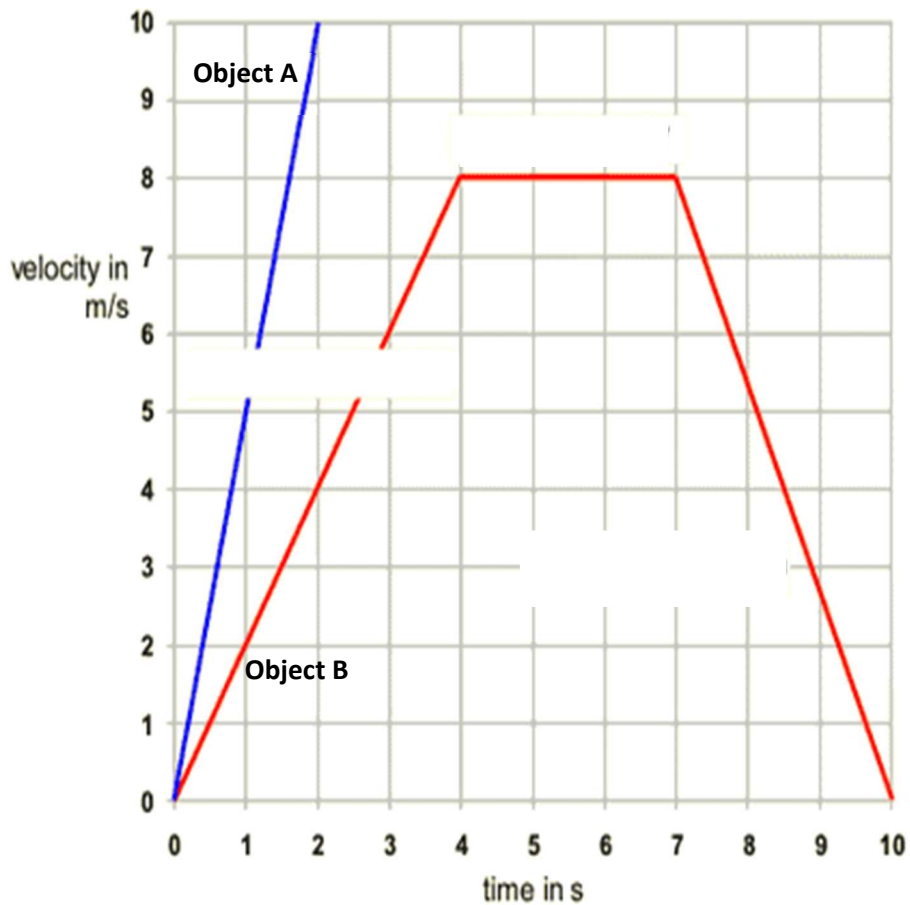**Graph #1 Title -** _____ .

1. Notice the variables on Graph #1. What is this a graph of? Write the title above the graph.

2. Describe the motion of Object B during the first 4 seconds.

3. Describe the motion of Object B from t=4 sec to t-7 sec.

4. Describe the motion of Object B during the last 3 seconds.

5. How does the motion of Object A compare to the motion of Object B?

Graph #2 Title - _____.

1. Notice the variables on Graph #2. What is this a graph of? Write the title above the graph.

2. Define acceleration.

3. Explain three ways an object can accelerate.

4. Describe the motion of Object B during the first 4 seconds.

5. Describe the motion of Object B from t=4 sec to t-7 sec.

6. Describe the motion of Object B during the last 3 seconds.

7. How does the motion of Object A compare to the motion of Object B?

8. Develop a mathematical model (equation) for calculating acceleration.