**Graph #1 Title - .**



**Object A**

**Object B**

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 - .**



**Object A**

**Object B**

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.