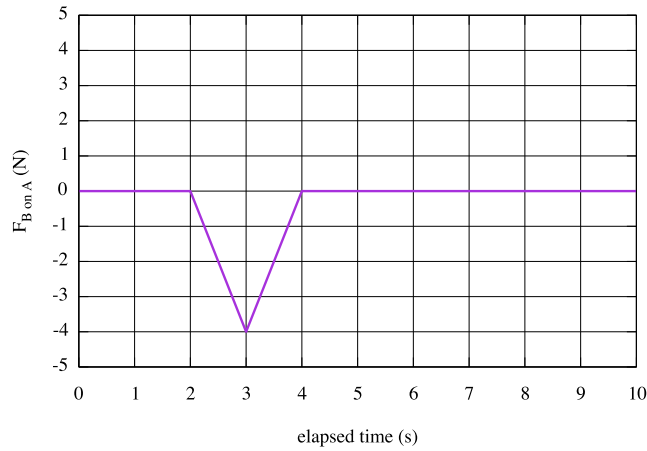
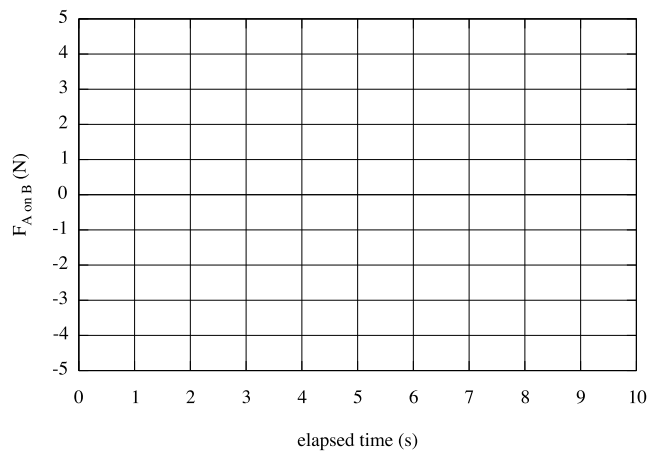


1. Object A has a mass of 1.0 kg and a velocity of +3.0 m/s. What is the momentum of Object A? _____

Object A interacts with Object B, experiencing a force from Object B as shown below.



2. What is the impulse experienced by Object A? _____
3. What is the change in momentum of Object A? _____
4. After this interaction, what will be the momentum of Object A? _____
5. What is the velocity of Object A after this interaction? _____
6. Sketch a plot of the force that Object A exerted on Object B during this interaction.



7. What is the impulse experienced by Object B? _____
8. What is the change in momentum experienced by Object B? _____