Chapter 2: Motion

I Can Statements

I can…

1. Define the frame of refernce in a given situation.
2. Explain the difference between distance and displacement.
3. Calculate the speed of and object given distance and time, and use the correct units.
4. Calculate the distance an object travels given speed and time, and use the correct units.
5. Calculate the time it takes an object to travel given distance and speed, and use the correct units.
6. Graph distance versus time graph using lab data.
7. Calculate the slope of a line and relate this to speed.
8. Define constant speed.
9. Calculate the average speed of a trip.
10. Differentiate speed and velocity.
11. Give examples of where velocity is more important than speed.
12. Calculate acceleration and determine if it is positive or negative.
13. Use a graph to compare the speed of more than one object.
14. Recognize zero speed using a graph.
15. Recognize reduced speeds on a graph.