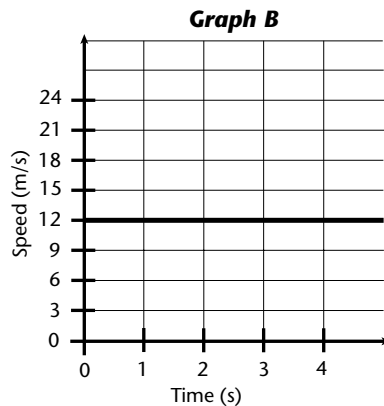
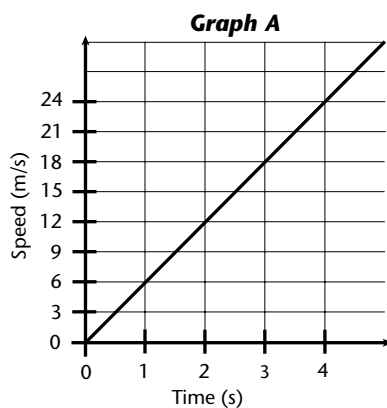


Motion ▪ *Review and Reinforce***Acceleration****Understanding Main Ideas**

If the statement is true, write true. If it is false, change the underlined word or words to make the statement true.

- _____ 1. If a train is slowing down, it is accelerating.
- _____ 2. To find the acceleration of an object moving in a straight line, you must calculate the change in distance during each unit of time.
- _____ 3. A Ferris wheel turning at a constant speed of 5 m/s is not accelerating.
- _____ 4. An airplane is flying west at 200 km/h. Two hours later, it is flying west at 300 km/h. Its average acceleration is 100 km/h².
- _____ 5. Graph A below plots a race car's speed for 5 seconds. The car's rate of acceleration is 6 m/s².
- _____ 6. Graph B below plots the same car's speed for a different 5-second interval. The car's acceleration during this interval is 12 m/s².

**Building Vocabulary**

From the list below, choose the term that best completes each sentence. Write your answers on the lines provided.

acceleration velocity speed distance

7. _____ occurs when the velocity of an object changes.
8. When you say that a race car travels northward at 100 km/h, you are describing its _____.