

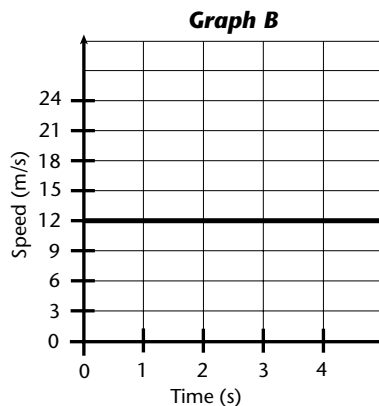
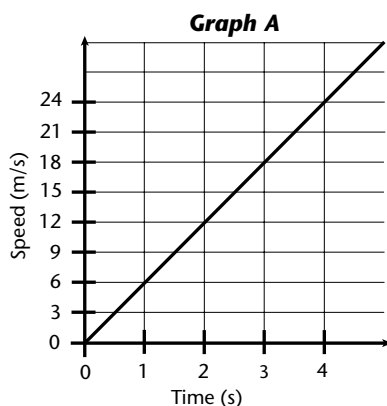
Motion and Energy ▪ 9.3 Review and Reinforce

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

Define the term on the lines below.

7. acceleration
