

## 7.2 Key Concepts 6 Slope of a Distance Versus Time Graph Worked Example

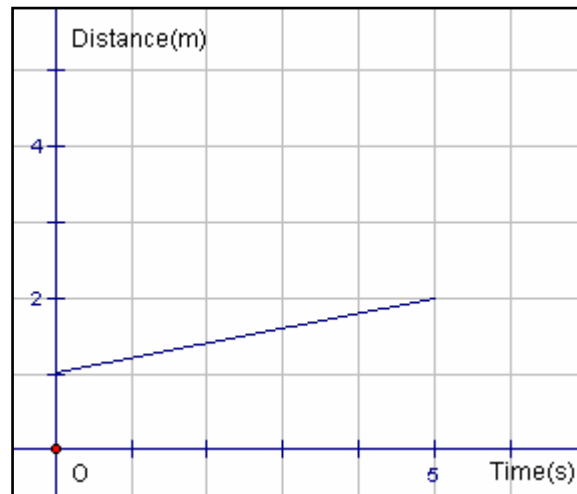
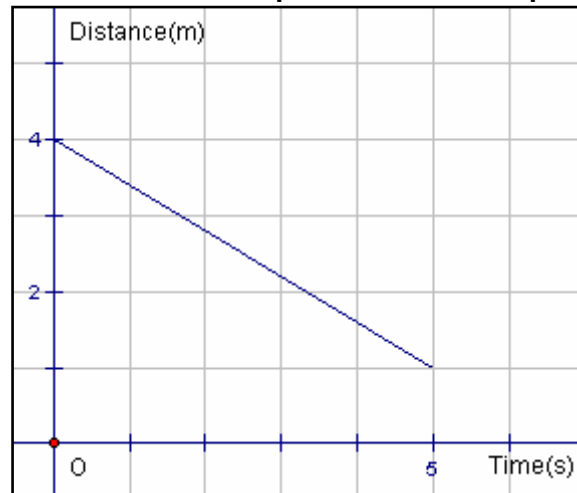
**Example:** Find the speed of the moving object represented by the graph shown.

**Solution:** Calculate the slope of the graph to find the speed.

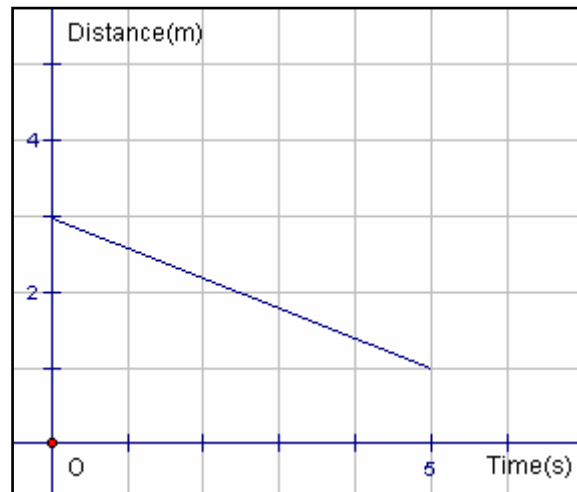
$$\begin{aligned} m &= \frac{\text{rise}}{\text{run}} \\ &= \frac{-3}{5} \\ &= -0.6 \text{ m/s} \end{aligned}$$

**Practice:**

**1.** Find the speed of the moving object represented by the graph shown.



**2.** Find the speed of the moving object represented by the graph shown.



Answers: 1. 0.2 m/s 2. -0.4 m/s.