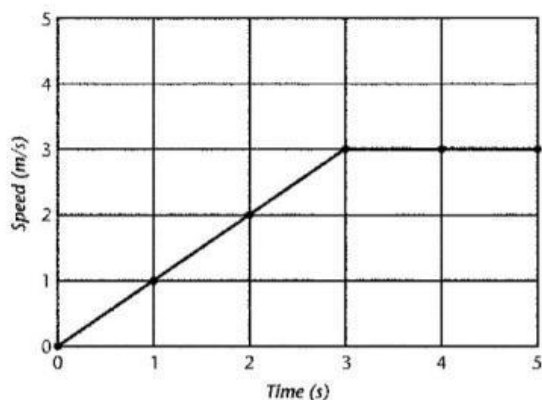


## Unit 9 Extra Credit

### ***Speed of a Ball Rolling Down a Ramp Onto the Floor***



1. What two variables are plotted in the graph?  
X axis variable                      Unit  
Y axis variable                      Unit
2. What does the line segment on the graph from 0 to 3 seconds represent?
3. What is the acceleration of the ball between 0 and 3 seconds?  
number only                      unit m/s m/s/s m/s<sup>2</sup>
4. What happened to the speed of the ball during the final two seconds?
5. Does the graph indicate that the ball decelerated?  
yes    no
6. How far did the ball move in the final 2 seconds?  
number only