# Unit1

1. What is the relationship between velocity and time for an object in free fall?

A. velocity increases in magnitude over time

B. velocity stays the same

C. velocity decreases in magnitude over time

2. What is the equation for the spring constant?

A. F=kd^2

B. F=d

C. F=kd

3. I am moving at 14 m/s. How long will it take for me to travel 67 meters?

4. The rate of the change of the angle is 5 radians per second. How long will it take to sweep out 6 radians?

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1. A

2. C