# Unit1 Class 5

1. What is the equation for the spring constant?

A. F=kd^2

B. F=d

C. F=kd

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

A. velocity decreases in magnitude over time

B. velocity stays the same

C. velocity increases in magnitude over time

3. I am moving at 81 m/s. How long will it take for me to travel 68 meters?

4. The rate of the change of the angle is 4 radians per second. How long will it take to sweep out 3 radians?

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1. C

2. C