# Unit1 Class 3

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

A. velocity stays the same

B. velocity increases in magnitude over time

C. velocity decreases in magnitude over time

2. What is the equation for the spring constant?

A. F=kd^2

B. F=kd

C. F=d

3. I am moving at 46 m/s. How long will it take for me to travel 90 meters?

4. The rate of the change of the angle is 6 radians per second. How long will it take to sweep out 1 radians?

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1. B

2. B