# Unit8 Class 2

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=d

B. F=kd^2

C. F=kd

3. The rate of the change of the angle is 8 radians per second. How long will it take to sweep out 4 radians?

4. I am moving at 25 m/s. How long will it take for me to travel 54 meters?

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1. B

2. C