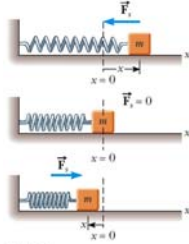For simple harmonic motion with amplitude A, at which point is the magnitude of acceleration maximum?

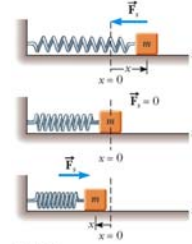A. x = 0
B. x = ± A
C. x = A/2
D. x = ± A/2

PE is maximum too.

At which point is the magnitude of velocity maximum

A. x = 0
B. x = ± A
C. x = A/2
D. x = ± A/2

KE is maximum too.