University of Imam Muhammad

College of Science first QUIZ



General Physics 101 (1435-1436)

Student Name	Student ID	Section

A)A particle moves along the x axis. Its x coordinate varies with time according to the expression $x = -4t + 2t^2$, where x is in meters and t is in seconds

1- Determine the displacement of the particle in the time intervals t = 0 to t = 3 s

2-Find the velocity at any time

3-Determine the velocity at t = 3s.

4-Find the average velocity in the time interval (0 to 3s).

5-Determine the acceleration at t = 3s.

6- Find the average acceleration in the time interval t = 0s to t = 2s.

B) If [A=2i+3j] m and [B=4i-2j] m.

1-determine the magnitude of two vectors

2- Prove that two vectors are perpendicular

Best wishes 7.Merfat Al-Zumia