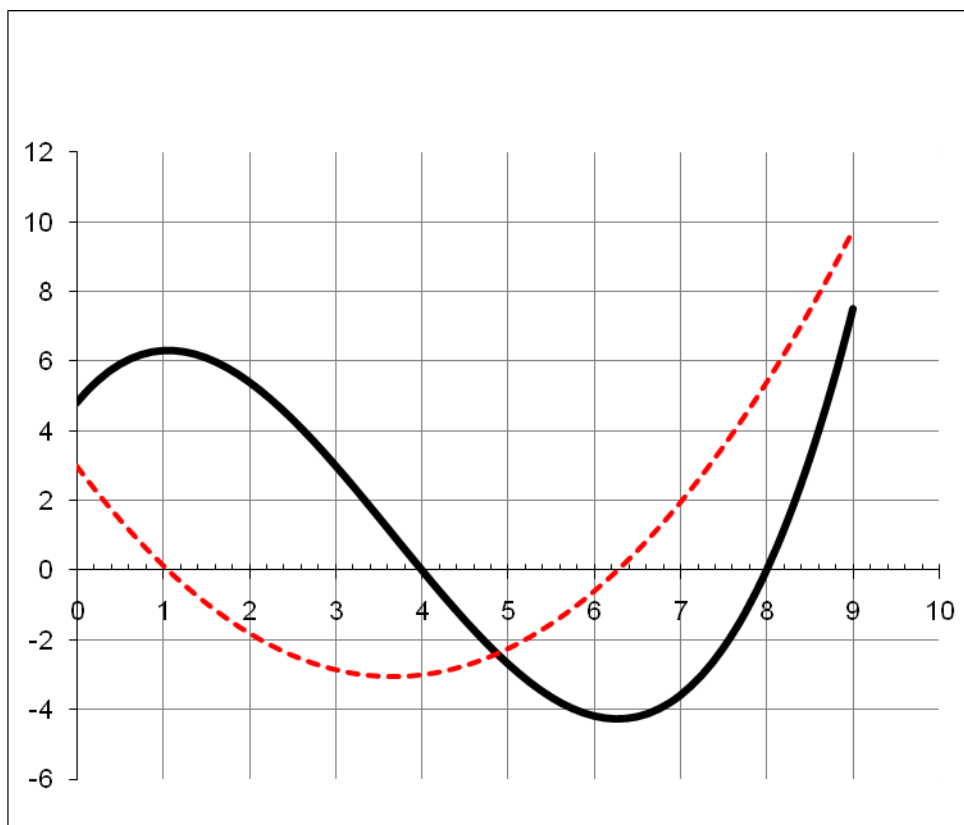


Name _____



The graphs above are of the velocity function (solid line) and acceleration function (dashed) for a particle. Assume these functions and the position function for the particle are defined for $0 \leq t \leq 9$. The values of t are in seconds and the values of v are in m/s.

1. On what time intervals is the particle moving forward? Why?

2. On what time intervals is the particle slowing down? Why?

3. On the interval, $4 < t < 8$, when is the particle moving the fastest? Why?