

- a)   $8 \text{ m/s}^2$
- b)   $2 \text{ m/s}^2$
- c)   $4 \text{ m/s}^2$
- d)   $\pi/2 \text{ m/s}^2$
- e)   $\pi \text{ m/s}^2$

$$a_{\text{MAX}} = \underline{\underline{8 \text{ m/s}^2}}$$

9) What is the magnitude of the **maximum VELOCITY** of this simple harmonic motion?

- a)   $8 \text{ m/s}$
- b)   $2 \text{ m/s}$
- c)   $4 \text{ m/s}$
- d)   $\pi/2 \text{ m/s}$

$$v_{\text{MAX}} = A\omega = \underline{\underline{4 \text{ m/s}}}$$