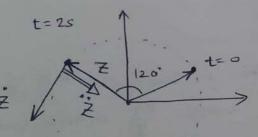
Solutions: Tut. #1.

$$A = \frac{v}{w} = \frac{v}{v^{3/T}} = \frac{50}{(6.28/6)} \approx 50 \text{ cm}$$

$$DC = A Cos(wt+x)$$

$$\dot{x} = -A\omega^2 \cos(\omega t + \alpha)$$



Q-2 Eq". of motion

Torque I 0 = - mgsino. 2

Monont of invertie
$$I = I_{cm} + M(\frac{d}{2})^2 - M(\frac{d}{2})^2 + M(\frac{d}{2})^2$$

mysino

Force Balance

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Consider a real spring of this is same as
$$KE$$
 of a mass effective has a mass M moving maths M and M and M are also spring M and M are a mass element M and M and M are a mass element M and M and M are a mass element M and M are a mass M and M are a mass M and M are a mass M moving maths M and M are a mass M moving maths M and M are a mass M moving maths M and M are a mass M and

Using above:

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