Spring Energy Example

Given: k = 14,000 N/m $\theta = 30^{\circ}$ m = 12 kg

Find d, V_2 , $E_{\text{spring-max}}$



Spring Free Body Diagram Example

A motor rotates a pole that has a spring on its tip. The other end of the spring holds a ball. Given m = 50 kg (!), k = 3000 N/m, $L_0 = 2 \text{ m}, \text{ and } \theta = 70^\circ$: Find ω .

