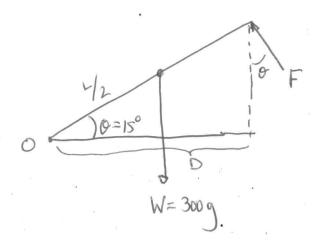
AFM doll Spring dola Jwa = 6/6 1 wa = 8/4 1 va = 14/6 a) My = Paro XF.  $= \begin{vmatrix} 1 & j & k \\ 0 & -2 & -2 \\ 3 & 3 & -1 \end{vmatrix}$  $M_A = (2+6)^2 - (0-1-6)^2 + (0-46)^4$ m= 82-63 +62 B.) Mar = 2 · ma = + (13-12) · (82-63+62) MAN = \$ - 5 = 15 MAIN=1= 8.49



$$\sum M_0 = 0 = -W(\frac{L}{2}\cos\theta) + D(\frac{F}{\cos\theta})$$

$$\Rightarrow F = \frac{WL}{2D}\cos\theta^2$$

Use 
$$W=300 \cdot g$$
,  $g=9.81$ ,  $L=10$ ,  $D=9$ ,  $\theta=15.°$ 

