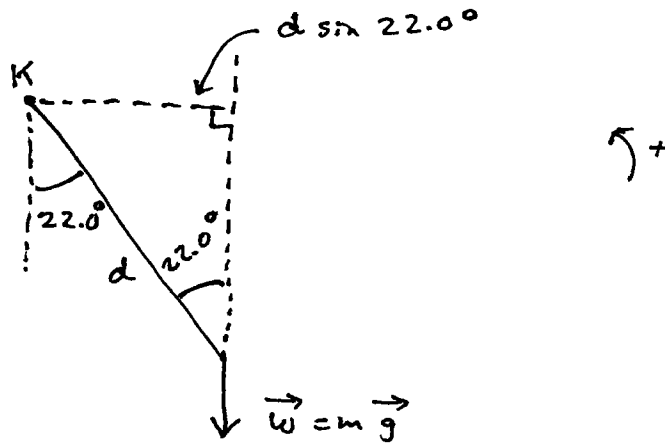


Exercise 9-11



τ due to \vec{w} , about K , is:

$$\begin{aligned}\tau &= -(mg)(d \sin 22.0^\circ) \\ &= -(12.0 \text{ kg})(9.80 \text{ m/s}^2)(0.600 \text{ m}) \sin 22.0^\circ \\ &= -26.4 \text{ N}\cdot\text{m}\end{aligned}$$