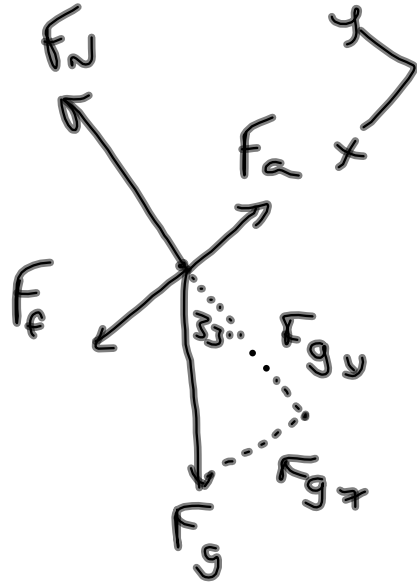
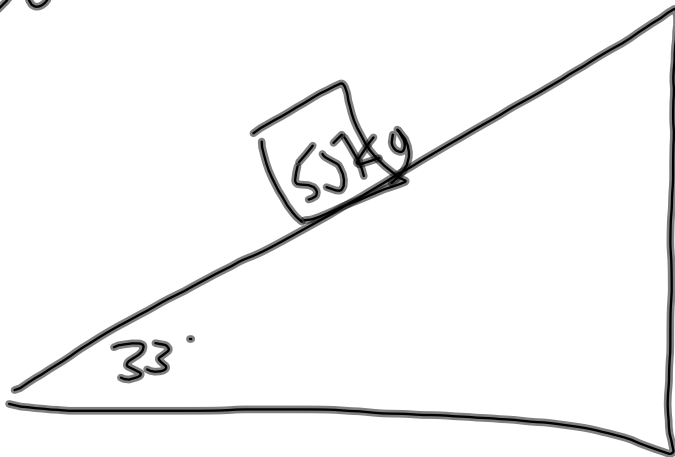


$$\mu = 0.23$$



$$F_f + F_{gx}$$

$$\begin{aligned} F_{gx} &= mg \sin 33 \\ &= (55)(9.8)(0.54) \\ &= \underline{291.06 \text{ N}} \end{aligned}$$

$$F_a = \underline{395 \text{ N}}$$

$$\begin{aligned} F_f &= \mu F_N \\ &= (0.23) mg \cos 33 \\ &= (0.23)(55)(9.8)(0.84) \\ &= \underline{\underline{104.13 \text{ N}}} \end{aligned}$$