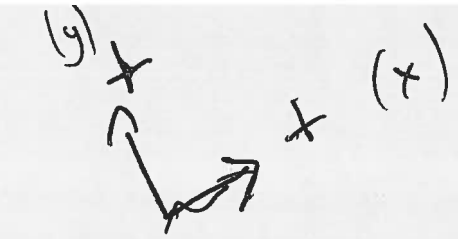
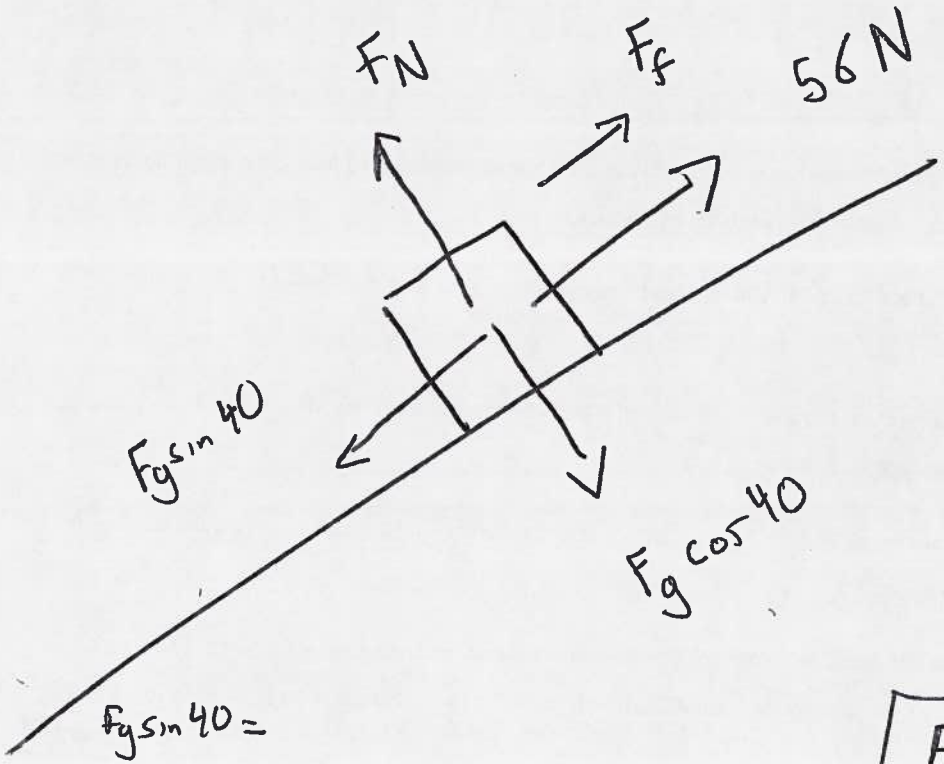
1.5



$F_g = mg$

$F_g = 803.6\ N$



Sum of y forces

$\Sigma F_y = 0$

$F_N = F_g \cos 40$

$F_N = 615.5938\ N$

$F_g \sin 40 =$

$F_f = \mu F_N$

$F_f = (0.051) F_N$

$F_f = 31.39525\ N$

Friction opposes motion

Sum of x forces

$m\bar{a} = \bar{F}_A + \bar{F}_f + \bar{F}_{g\sin 40}$

$ma = 56 + 31.39 - 516.5441$

$ma = 87.3952 - 516.5441$

$ma = -429.1488\ N$

$a = -5.233\ N\ m/s^2$ ← should be negative. Force is to small to push it up slider back words.

I would accept you adding the forces of F_f

3) Increase acceleration. Only force opposing it would be friction.