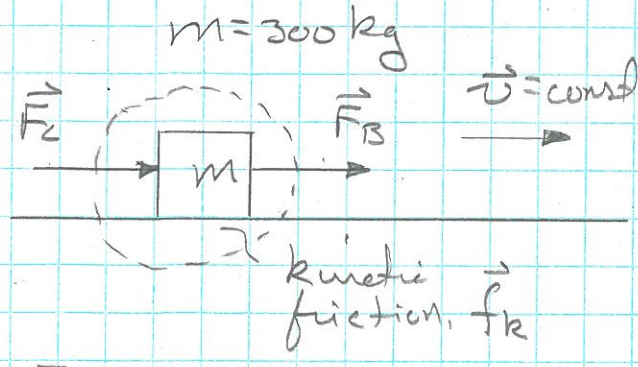

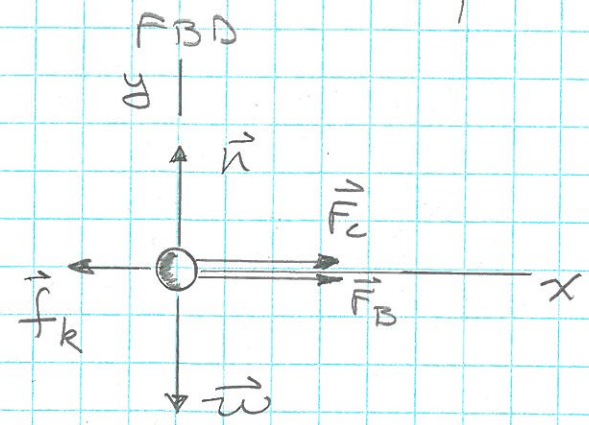

$F_C = 385\,N$; $F_B = 350\,N$

Find: coefficient of kinetic friction, μ_k:

$\Sigma F_x = ma_x = 0$ $\quad \vec{v} = \text{const} \Rightarrow \vec{a} = 0$

$-f_k + F_C + F_B = 0$

$\Sigma F_y = n - w = 0 \Rightarrow n = w = mg$

And $f_k = \mu_k n = \mu_k mg$

$\therefore$ subst. into x-eqn:

$-\mu_k mg + F_C + F_B = 0$

$\therefore \quad \mu_k = \dfrac{F_C + F_B}{mg} = \underline{0.25}$