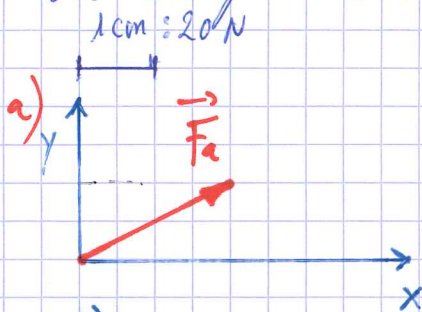
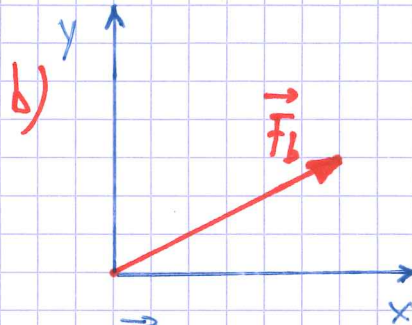


Décomposer les forces suivantes selon les directions des axes proposées.

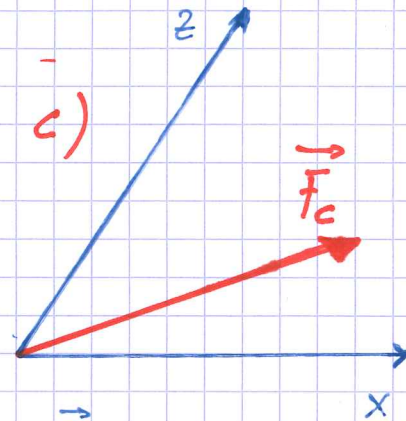
Sachant que l'échelle utilisée est de  $1\text{cm} : 20\text{N}$  donner l'intensité de la force originale ainsi que des intensités des composantes



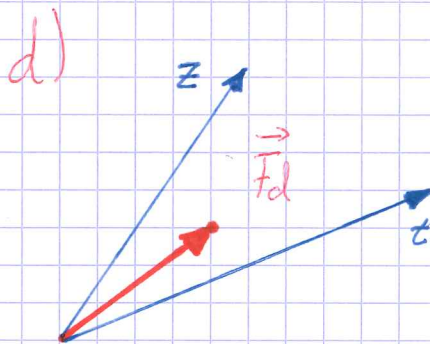
$$\begin{aligned}\vec{F}_a &= \\ F_{ax} &= \\ F_{ay} &= \\ F_a &= \end{aligned}$$



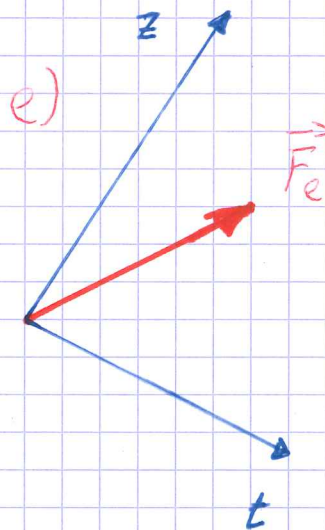
$$\begin{aligned}\vec{F}_b &= \\ F_{bx} &= \\ F_{by} &= \\ F_b &= \end{aligned}$$



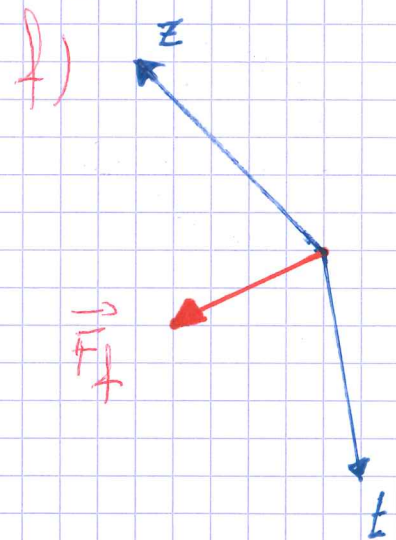
$$\begin{aligned}\vec{F}_c &= \\ F_{cx} &= \\ F_{cz} &= \\ F_c &= \end{aligned}$$



$$\begin{aligned}\vec{F}_d &= \\ F_{dt} &= \\ F_{dz} &= \\ F_d &= \end{aligned}$$



$$\begin{aligned}\vec{F}_e &= \\ F_{et} &= \\ F_{ez} &= \\ F_e &= \end{aligned}$$

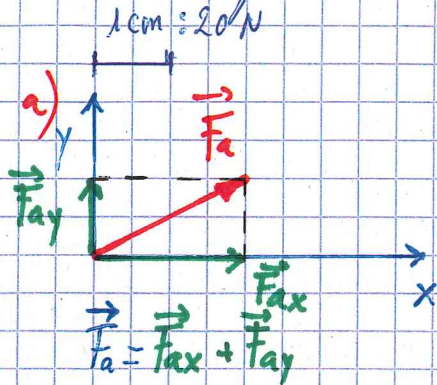


$$\begin{aligned}\vec{F}_f &= \\ F_{ft} &= \\ F_{fz} &= \\ F_f &= \end{aligned}$$



Décomposer les forces suivantes selon les directions des axes proposées.

Sachant que l'échelle utilisée est de 1cm : 20N donner l'intensité de la force originale ainsi que des intensités des composantes

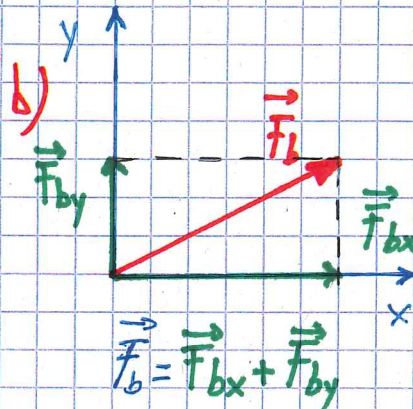


$$F_{ax} = 40\text{ N}$$

$$F_{ay} = 20\text{ N}$$

$$F_a = 44\text{ N}$$

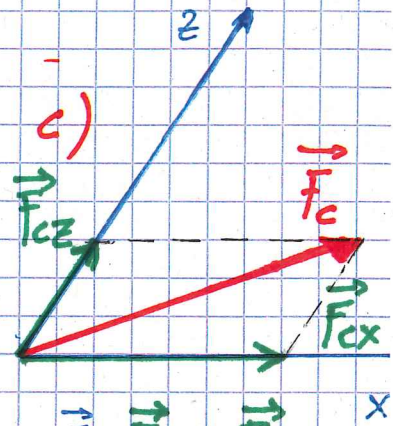
1cm : 20N  
2,2cm : 44N



$$F_{bx} = 60\text{ N}$$

$$F_{by} = 30\text{ N}$$

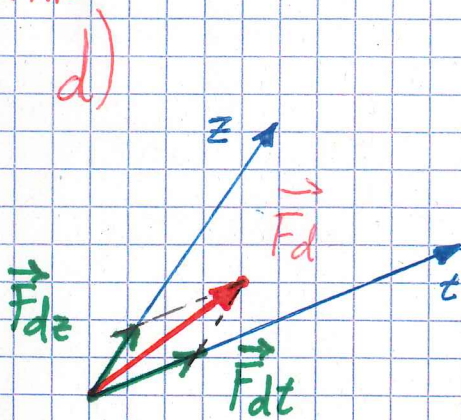
$$F_b = 68\text{ N}$$



$$F_{cx} = 70\text{ N}$$

$$F_{cz} = 36\text{ N}$$

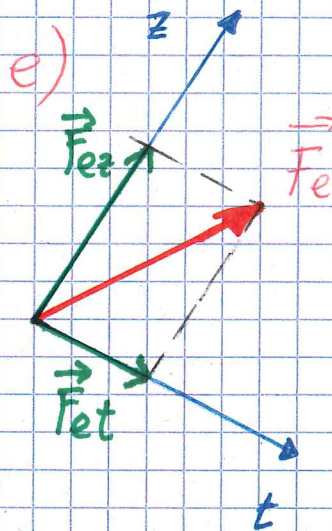
$$F_c = 94\text{ N}$$



$$F_{dt} = 30\text{ N}$$

$$F_{dz} = 22\text{ N}$$

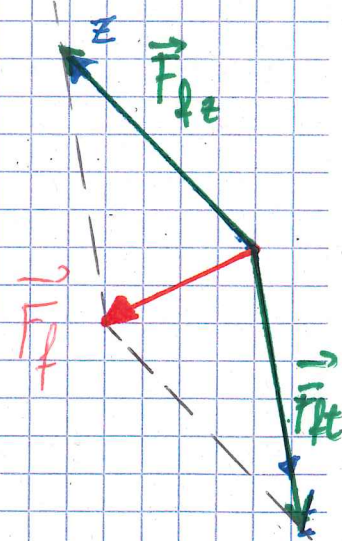
$$F_d = 50\text{ N}$$



$$F_{et} = 34\text{ N}$$

$$F_{ez} = 56\text{ N}$$

$$F_e = 66\text{ N}$$



$$F_{ft} = 70\text{ N}$$

$$F_{fz} = 74\text{ N}$$

$$F_f = 44\text{ N}$$

1cm : 20N  
1,1cm : 22N

1cm : 20N  
1,5cm : 30N

1cm : 20N  
1,7cm : 34N  
2,8cm : 56N

1cm : 20N  
3,7cm : 74N  
3,8cm : 76N