

Opomba: Upoštevajte, da narisane dolžine niso natančne zaradi skeniranja slik.

REŠITVE PREVERJANJA ZNANJA

1.a) Kadar je vsota vseh sil, ki delujejo na telo enaka nič, telo miruje ali se giblje premo enakomerno, pravimo, da je v ravnovesju.

b) Sila trenja je sila, ki nastaja pri drsenju telesa po podlagi in telo ovira pri gibanju.

c) Sila upora je koristna naprimer pri jadranju z jadralnim padalom, pri pristajanju letala, pri jadranju z jadrnico...

d) Gravitacijska sila, magnetna sila, električna sila.

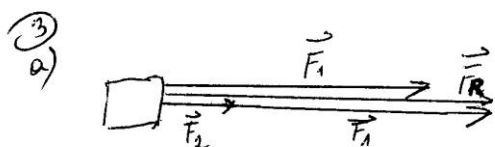
e) Sila trenja, sila knjige na mizo, če knjiga leži na mizi...

2.

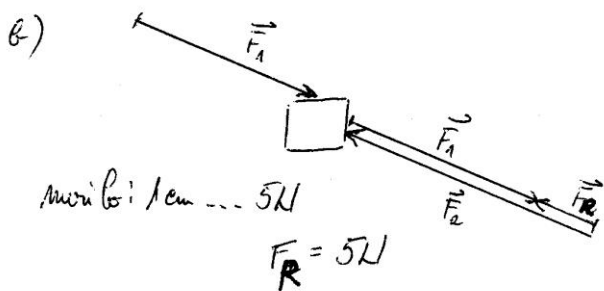
masa	3kg	5kg	0,4kg	0,8kg	70g=0,07kg	300kg
teža	30N	50N	4N	8N	0,7N	3kN=3000N

sila	3N	1N	2N	2,5N
raztezek	9cm	3cm	6cm	7,5cm

3.

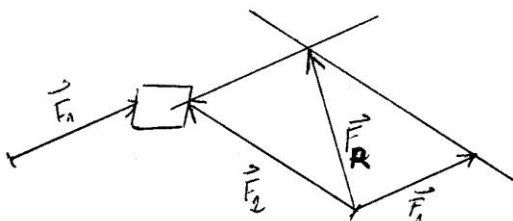


miri bo: 1cm ... 2N  
 $F_R = 10N$



miri bo: 1cm ... 5N  
 $F_R = 5N$

c)  $F_1 = 200N$   
 $F_2 = 300N$



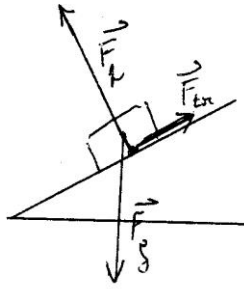
$F_R = 250N$

4)

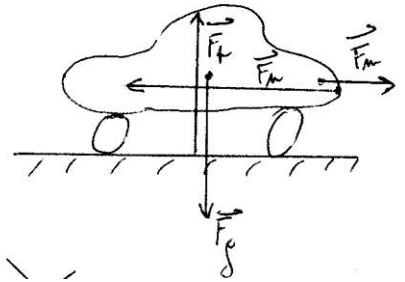
a)



b)



c)



5)

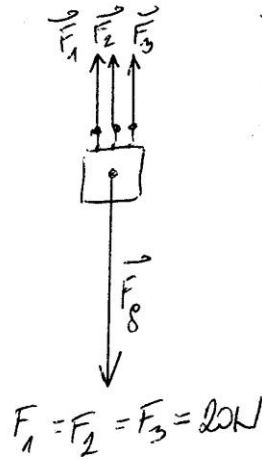
a)

meriti: 1 cm ... 20N

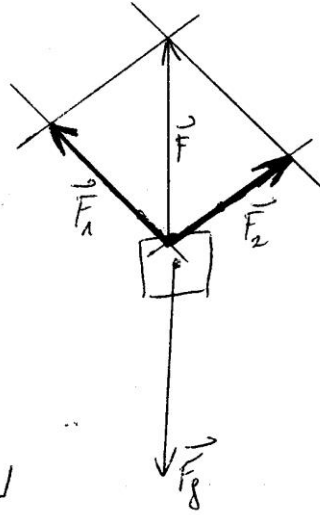
$m = 6 \text{ kg}$

$F_g = 60 \text{ N}$

$F_V = 60 \text{ N}$

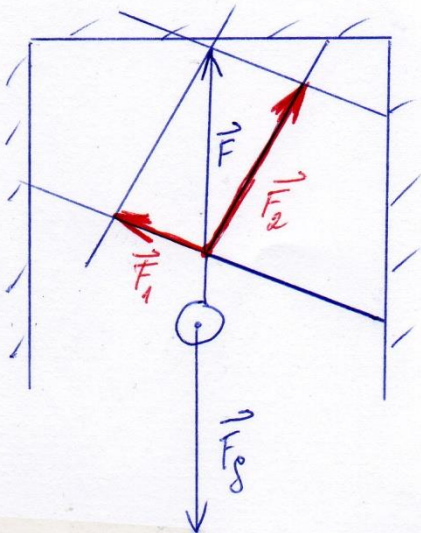


$F_1 = F_2 = F_3 = 20 \text{ N}$



$F_1 = 50 \text{ N}$   
 $F_2 = 42 \text{ N}$

6)



$m = 15 \text{ kg}$

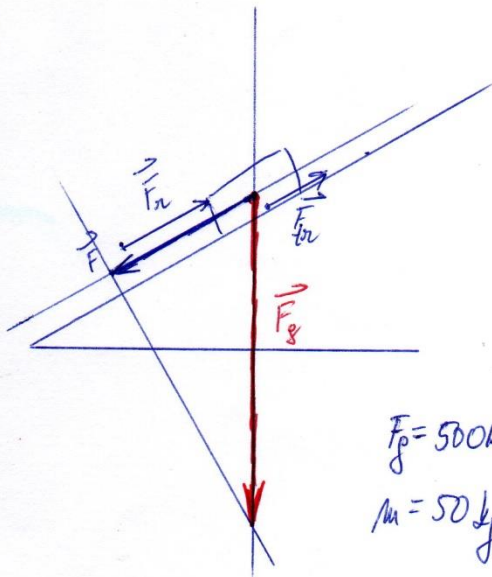
$F_g = 150 \text{ N}$

meriti: 1 cm ... 50N

$F_1 = 70 \text{ N}$

$F_2 = 140 \text{ N}$

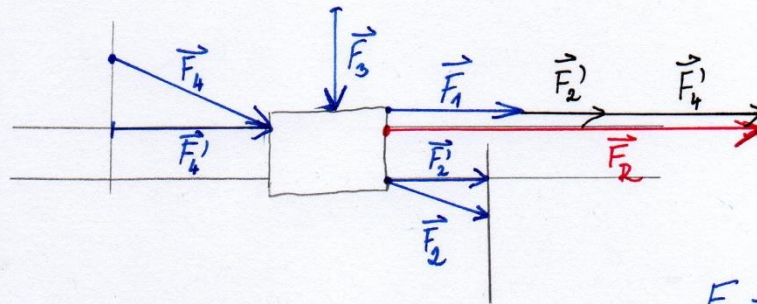
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$F_g = 500 \text{ N}$   
 $m = 50 \text{ kg}$

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- $F_1 = 60 \text{ N}$
  - $F_2 = 45 \text{ N}$
  - $F_3 = 45 \text{ N}$
  - $F_4 = 75 \text{ N}$

meritor: 1 cm .... 30 N



$F_1' = 60 \text{ N}$        $F_3' = 0 \text{ N}$   
 $F_2' = 39 \text{ N}$        $F_4' = 66 \text{ N}$

$F_2 = 165 \text{ N}$