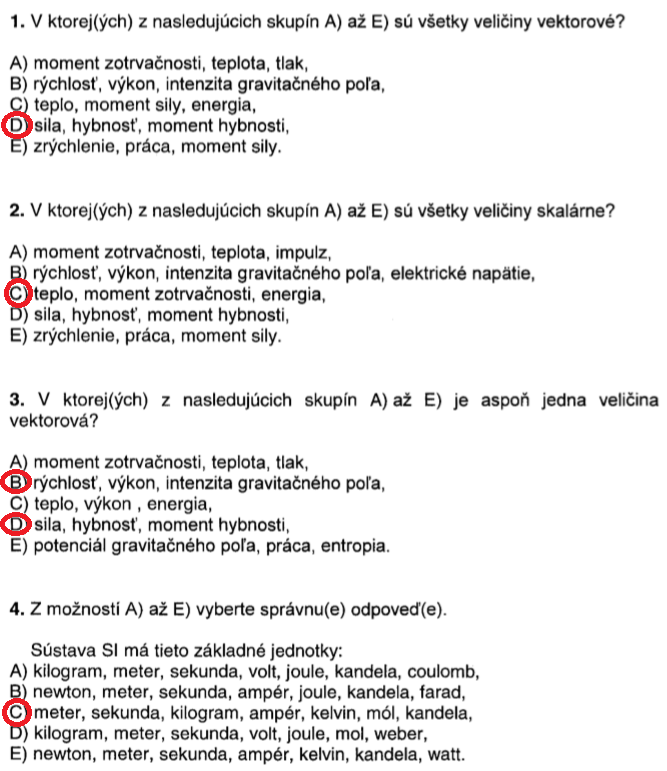
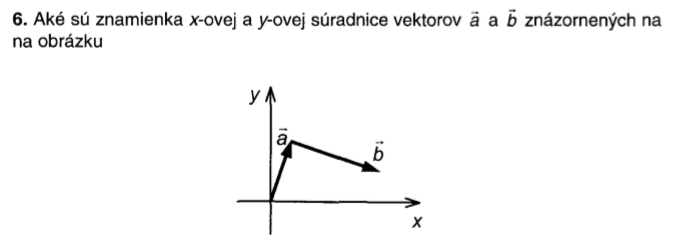
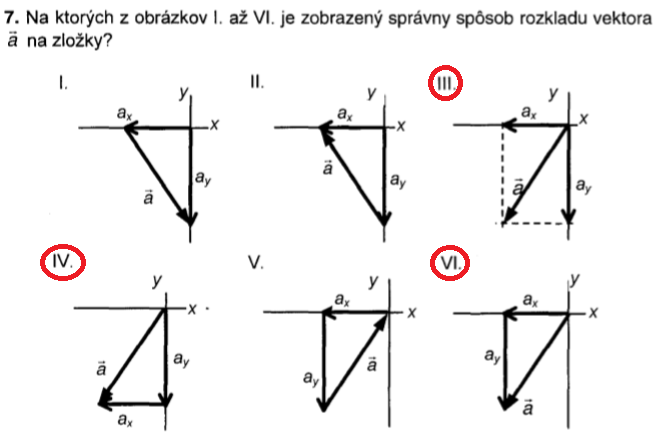
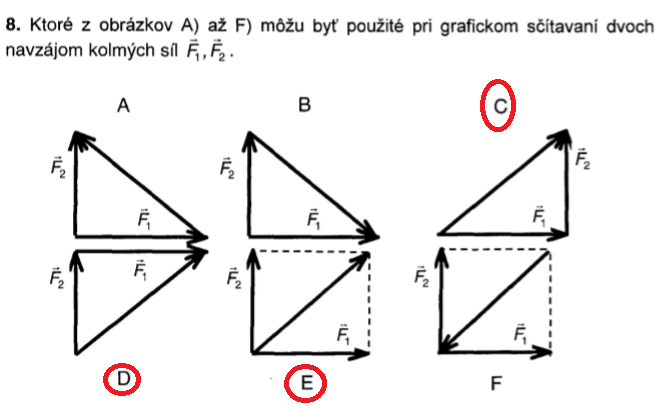
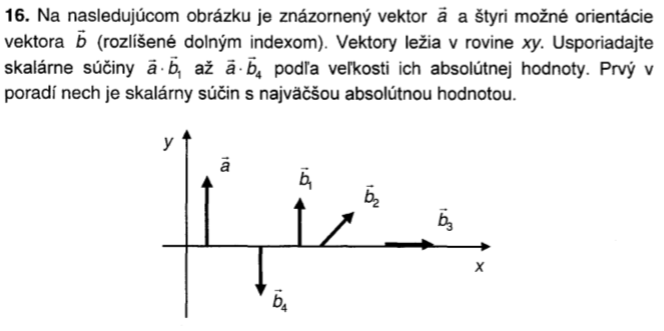
1. **Fyzikálne veličiny a operácie s nimi**

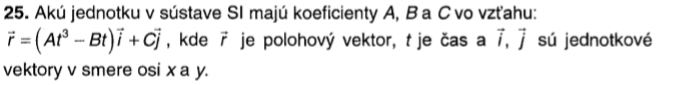








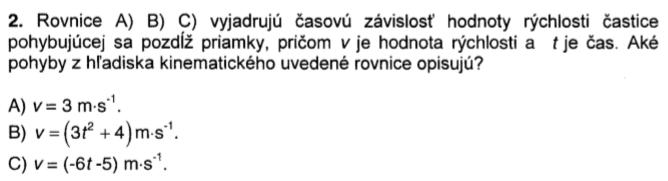




[

m.

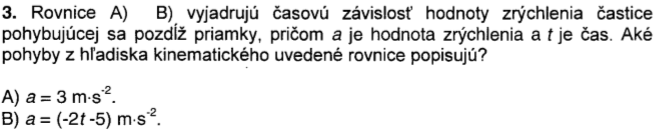
1. **Kinematika**



A – rovnomerný priamočiary pohyb a = 0 m.

B – nerovnomerne zrýchlený priamočiary a = 6t

C – rovnomerne spomalený a = -6

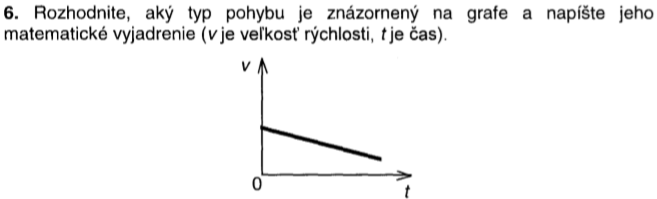


A – rovnomerne zrýchlený priamočiary

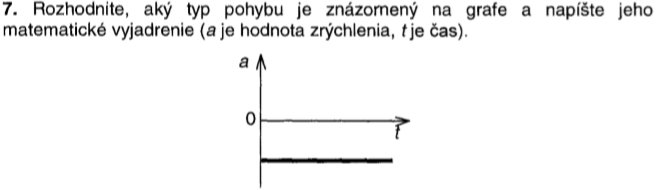
B – nerovnomerne spomalený priamočiary



= rovnomerne zrýchlený

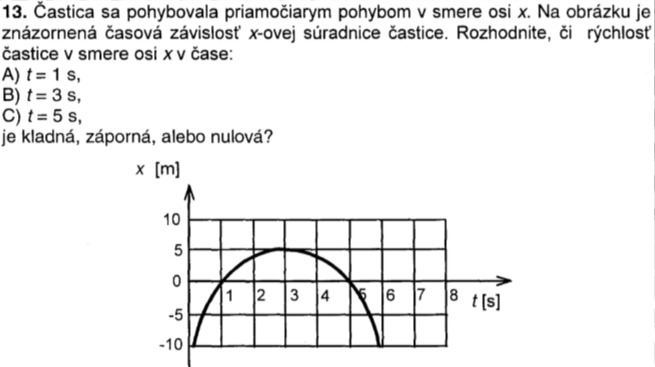


= rovnomerne spomalený



Rovnomerne spomalený a=konšt < 0

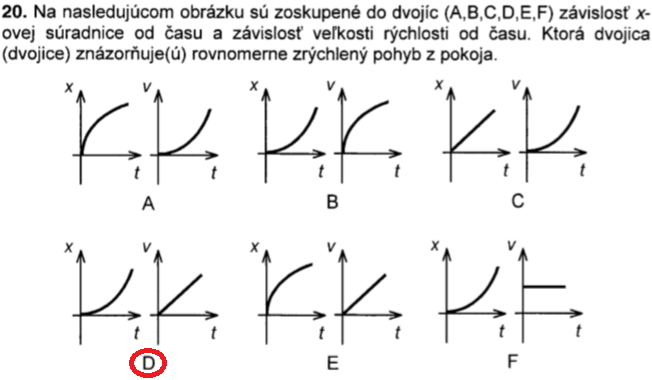
=

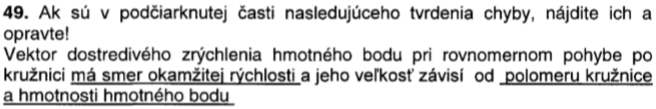


A – kladná

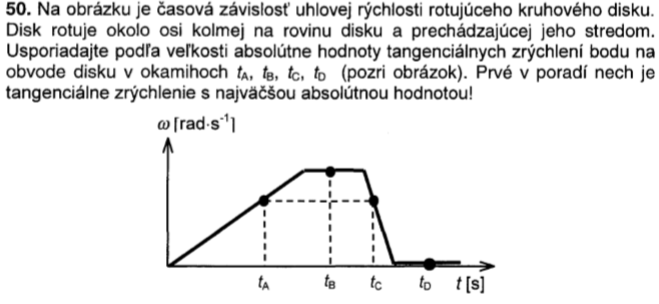
B – nulová

C – záporná

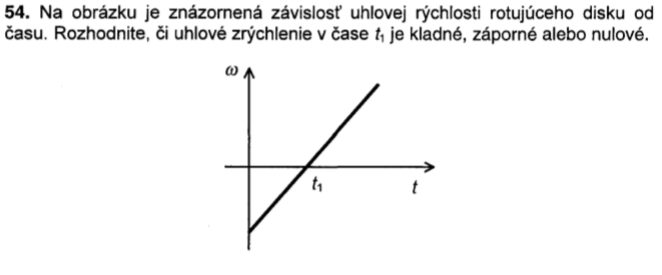




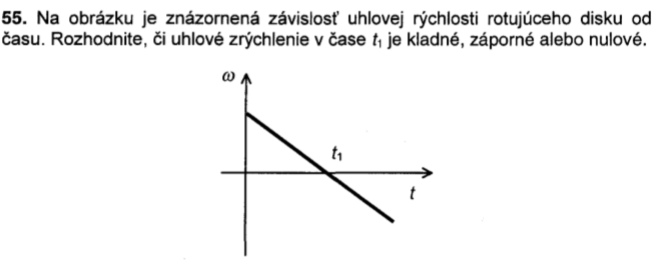
...má smer do stredu kružnice...polomeru kružnice a uhlovej resp. obvodovej rýchlosti hmotného bodu.



Pomocou dotyčníc

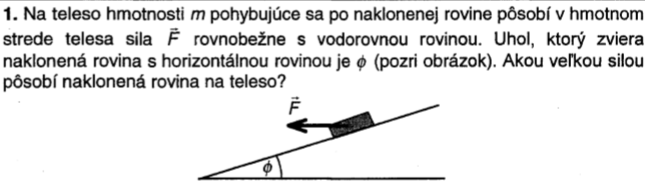


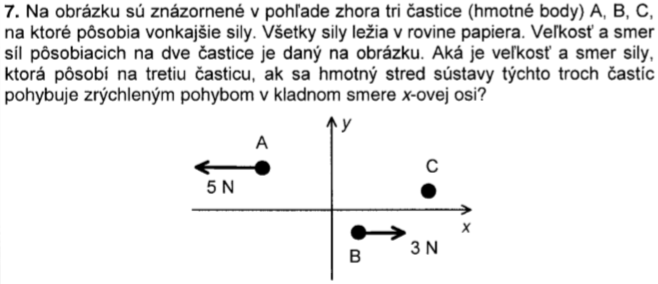
Kladné



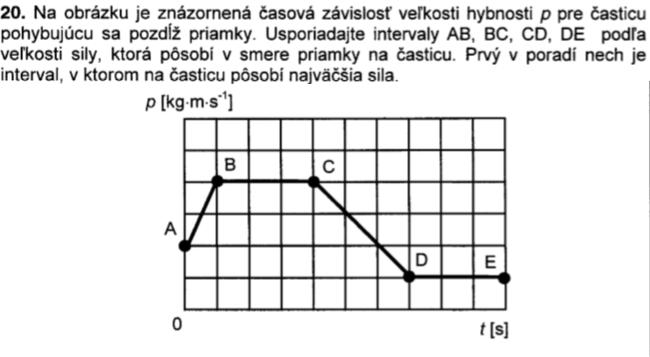
Záporné

1. **Dynamika**

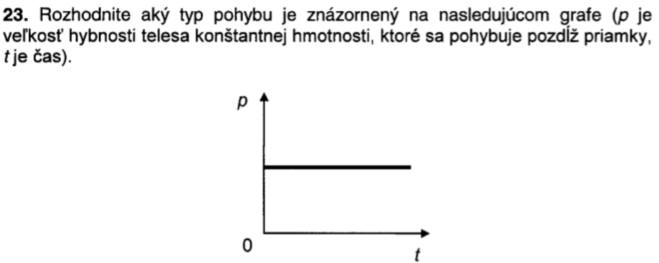




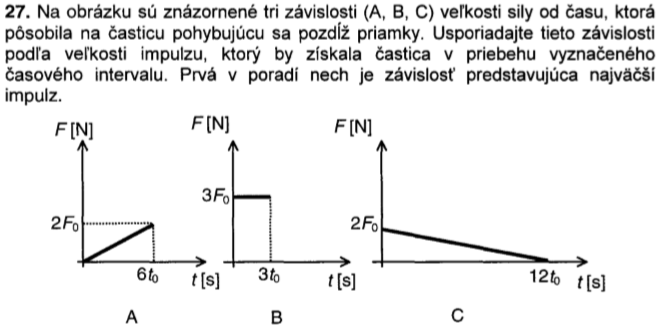
Viac ako 2N (Newton)



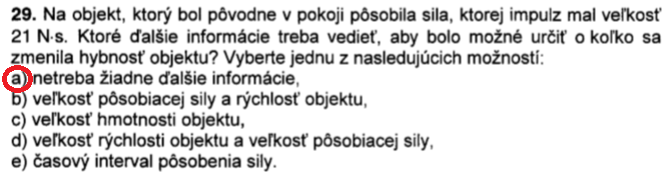
AB>CD>BC=DE



Rovnomerný priamočiary



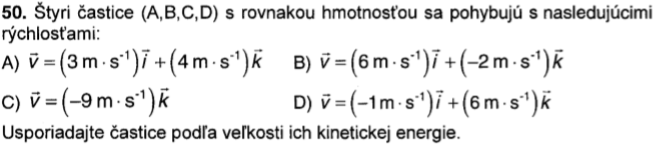
I = S (obsah pod čiarou)





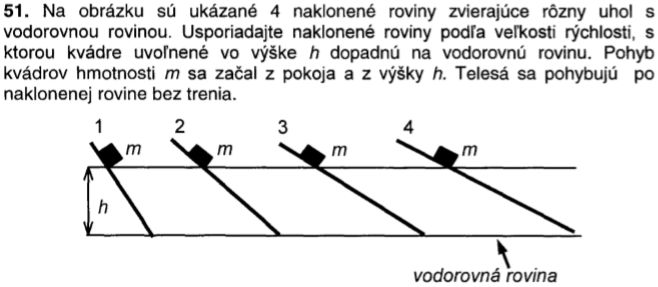
= 8

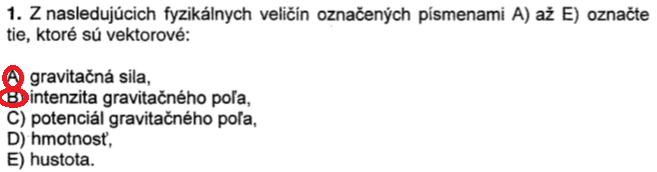
8- násobne

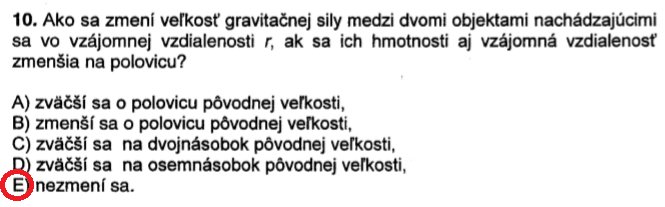


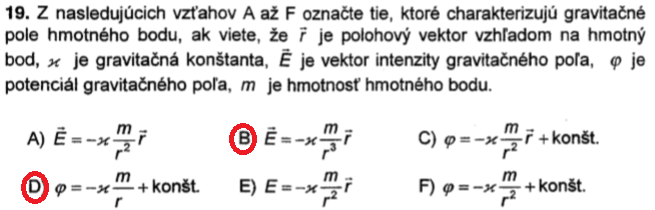
(dosadíme za v)

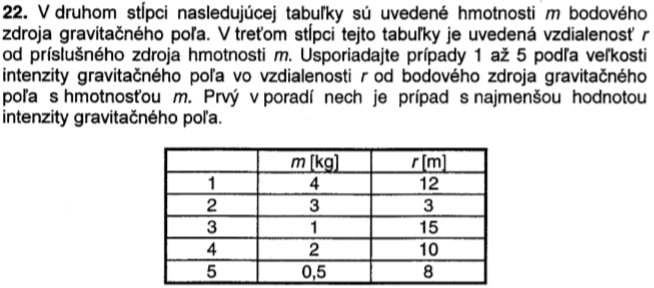
C > B > D > A

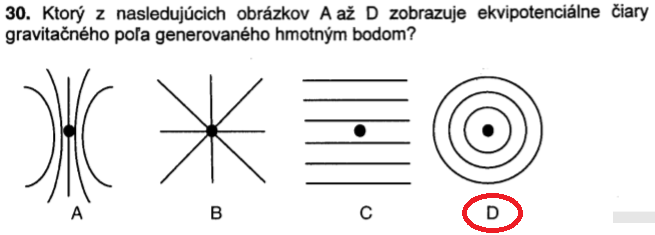


**7. Gravitačné pole**







**

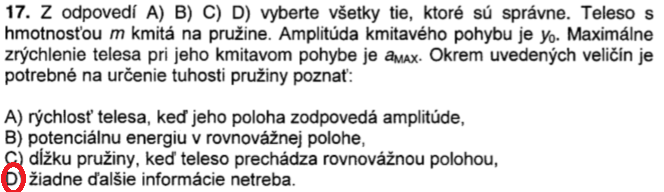
1. **Kmity a vlny**

**

*x = 0.6 m*

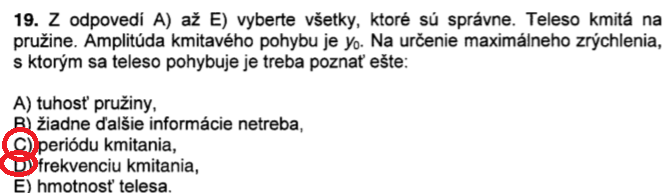
*F = 12N -k = 200N*

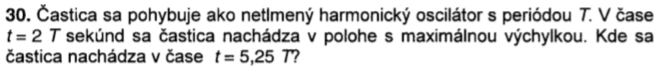
*k = ?*

**

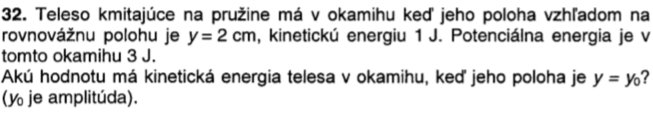
k =

**

**

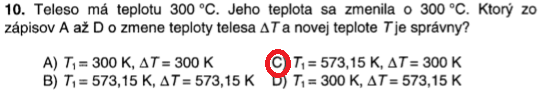
**

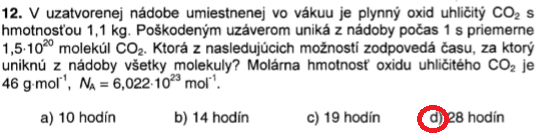
*V rovnovážnej polohe*

**

*Nula ,,0J,,*

**6.Termodynamika a kinetická teória plynov**





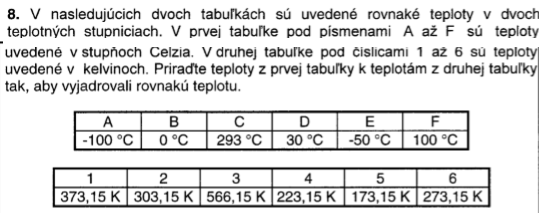
m = 1,1kg

M = 46g.

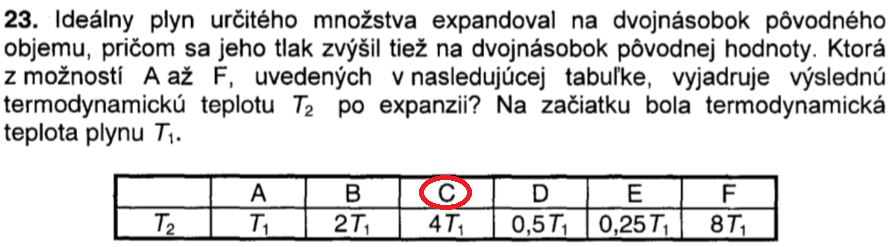
N = n.=1,5055.



Bezrozmerná veličina



A5, B6, C3, D2, E4, F1 0 °C = 273,15K

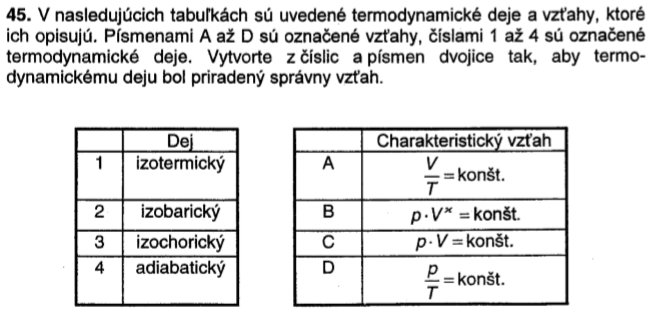




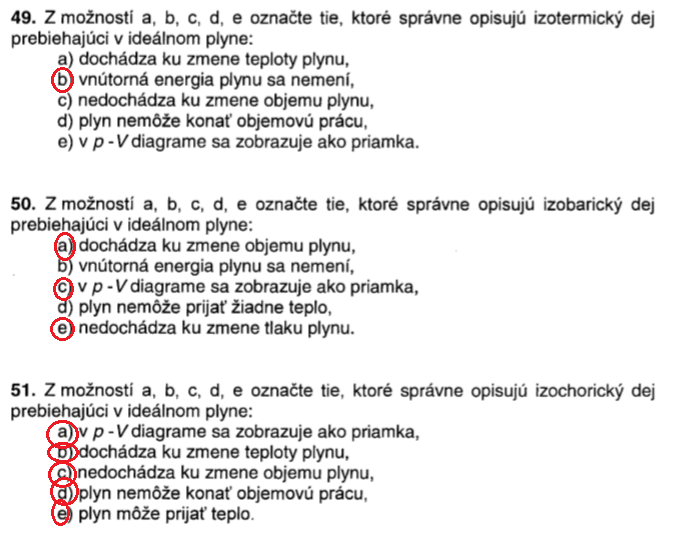
Zostane rovnaká

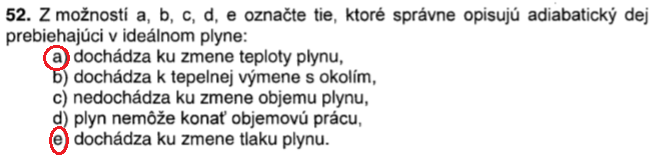


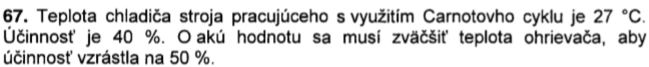
Stúpne



1C, 2A, 3D, 4B



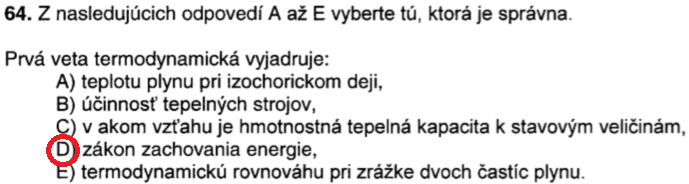




=600,3K

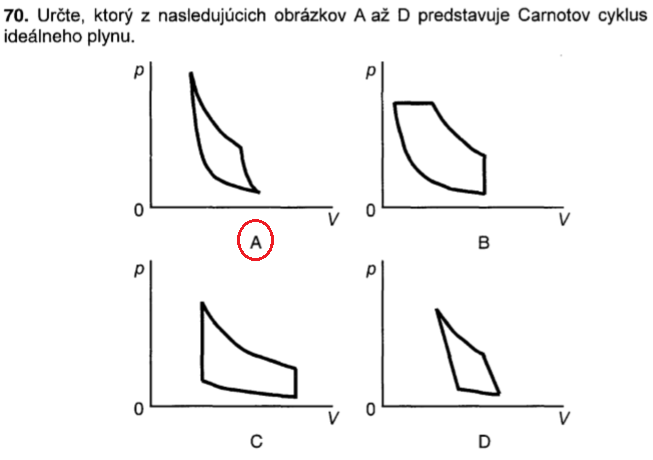
= 500,25K

= 100,05K

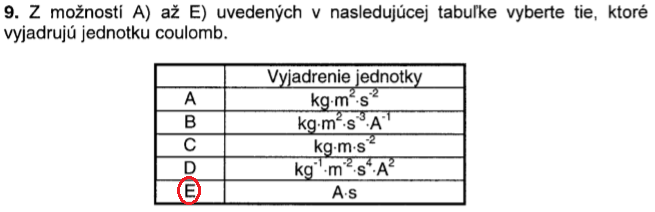


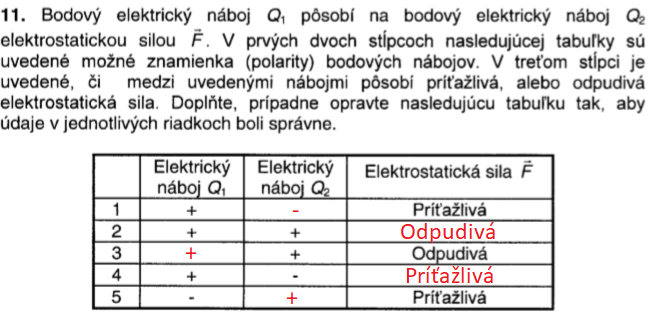


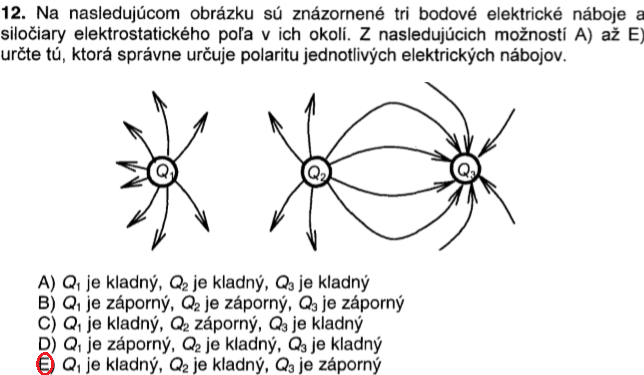
= = 0,29



**8. Elektrostatické pole**

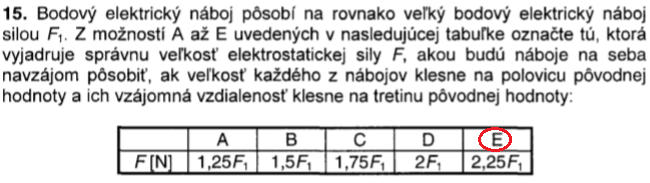


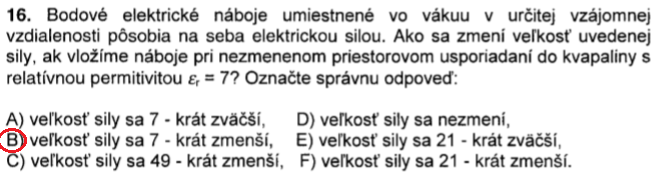


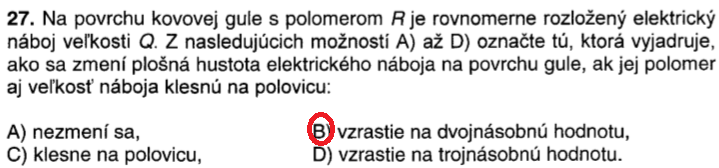




Q=n.e









v= 3.1m

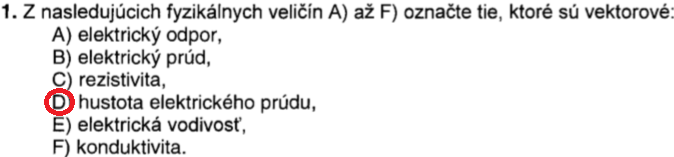
s= 15.1m = 3.1

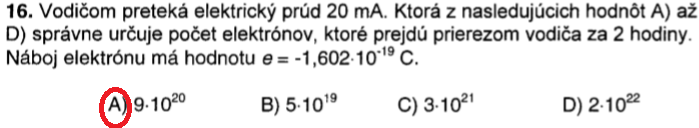
e=1,602.1C = 8s

=

**E**= ?

**9.Elektrodynamika**



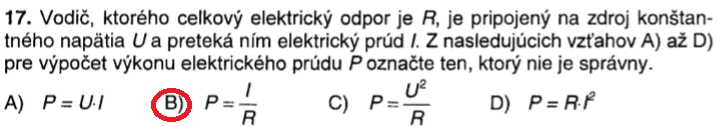


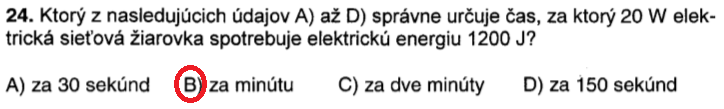
I=20mA

e=1,602 Q=n.e = 9.1

t=7200s

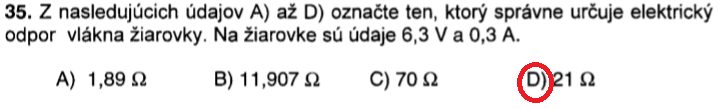
n=?





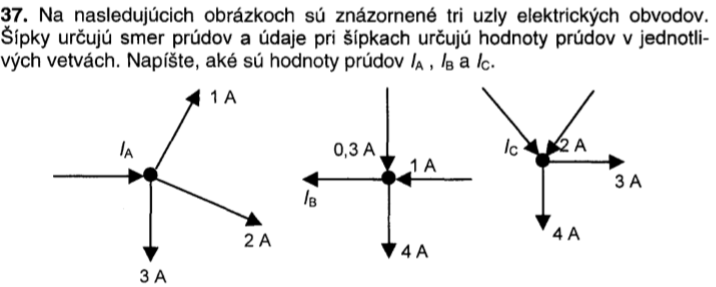
P=20W , s

W=1200J

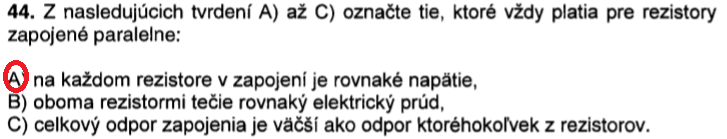


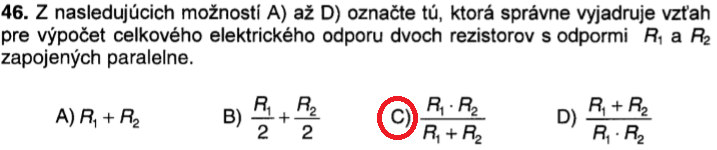
U=6,3V , R== 21

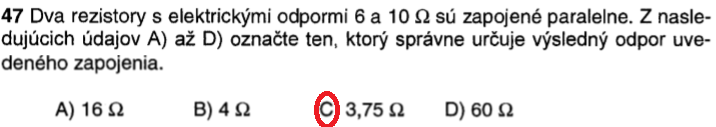
I=0,3A



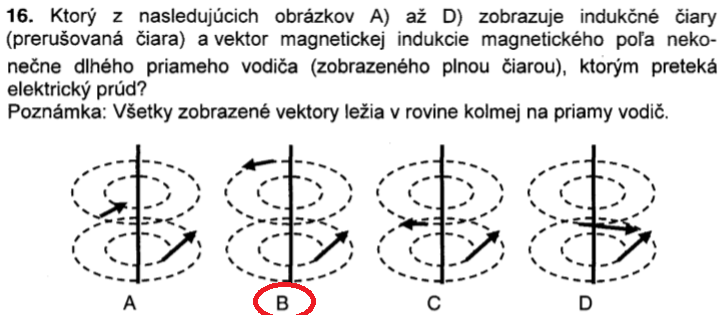


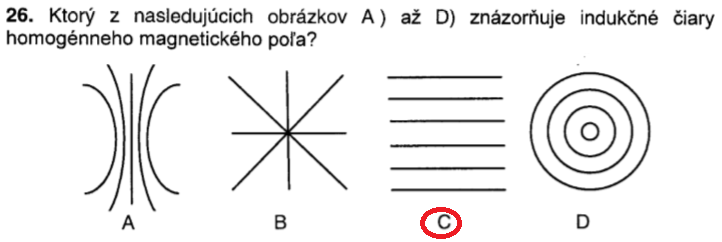


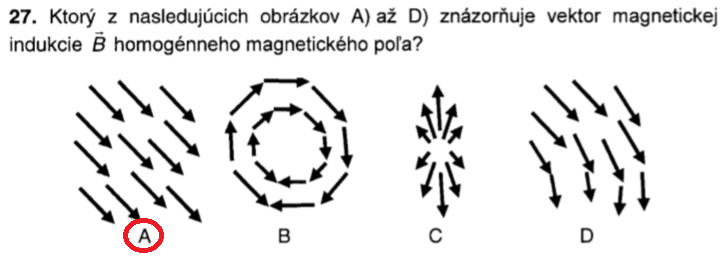




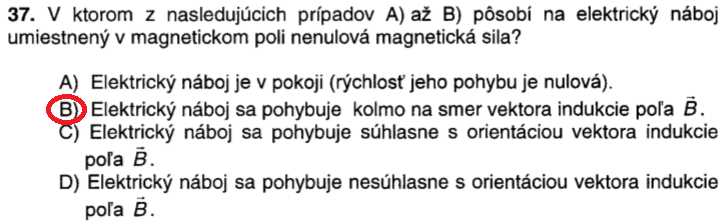
**10.Magnetické pole**

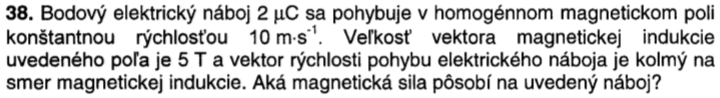
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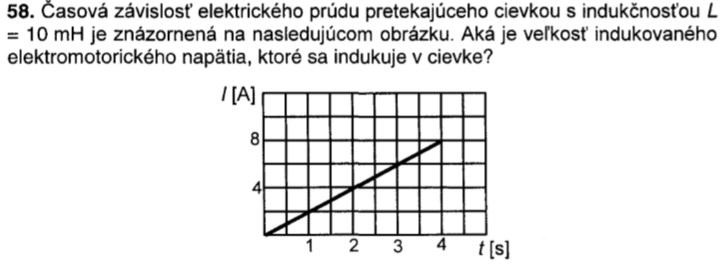
****

****

****

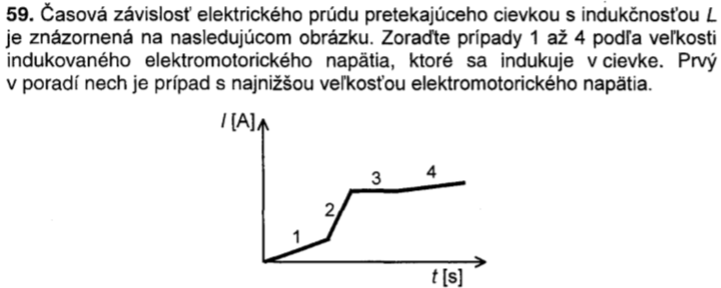






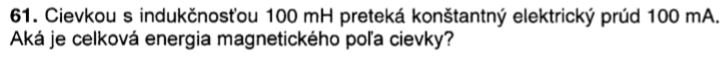
L=10mH

I=2A pri t=1s





U=0V



E=5.1