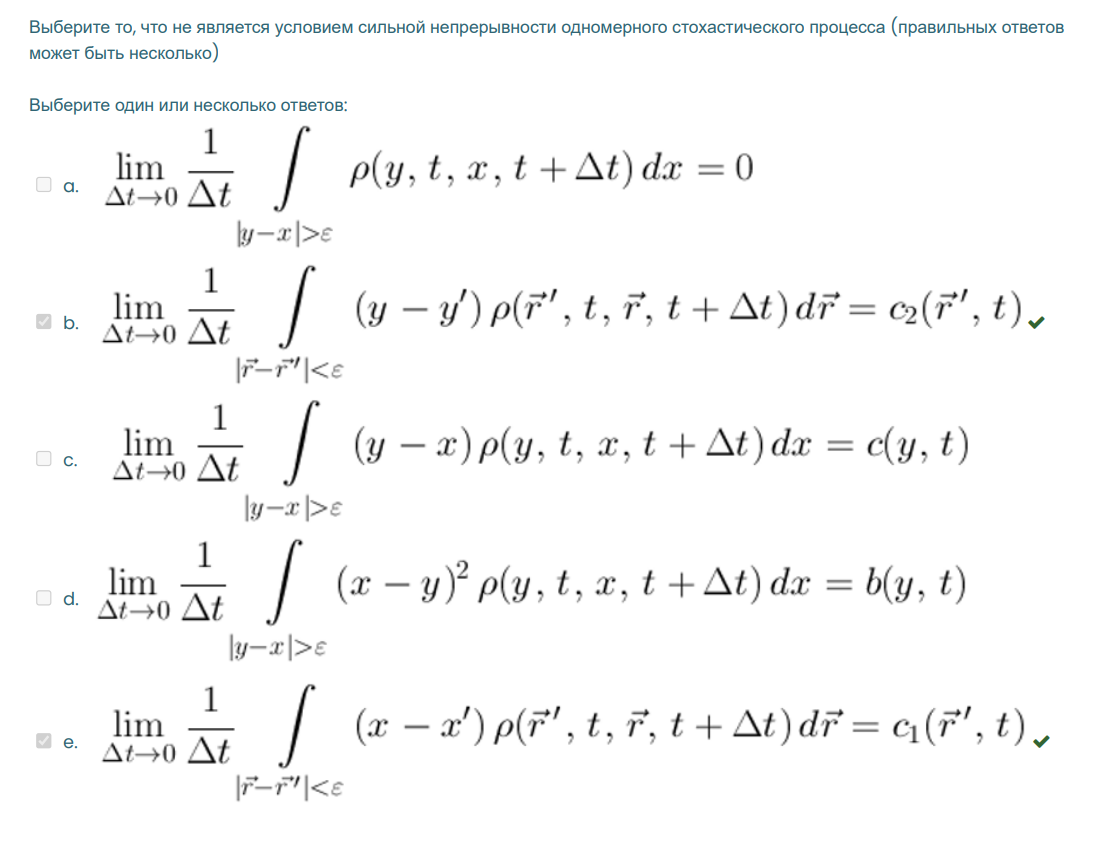
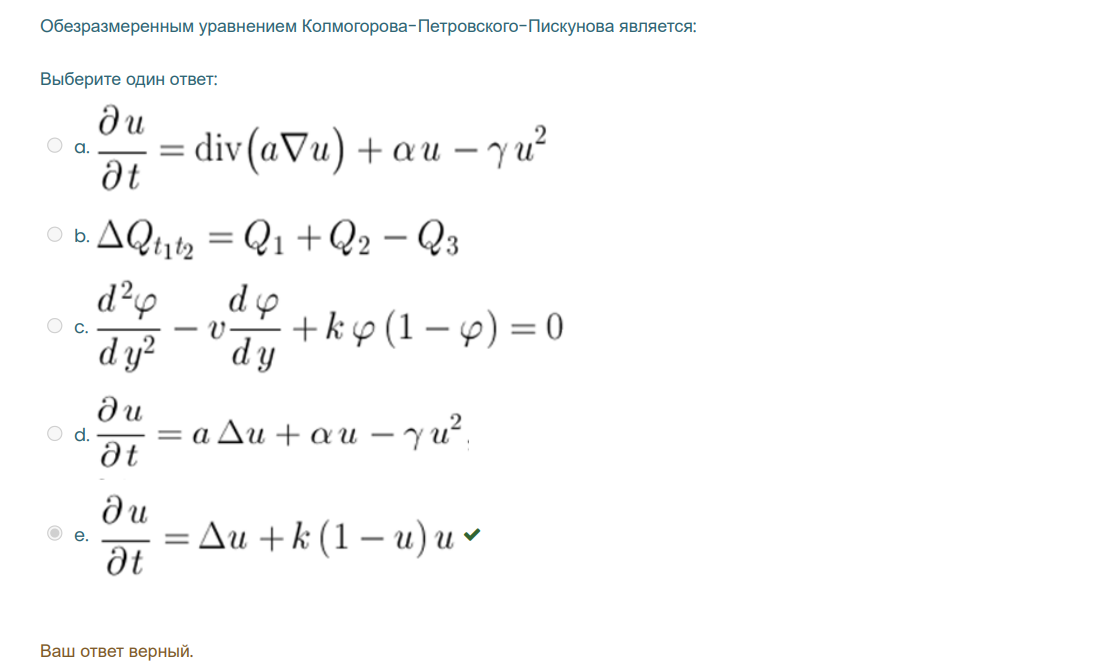
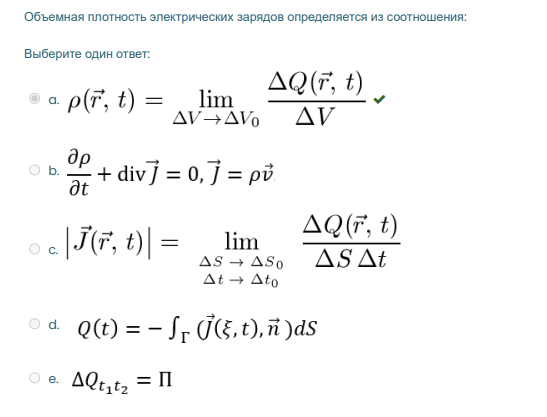
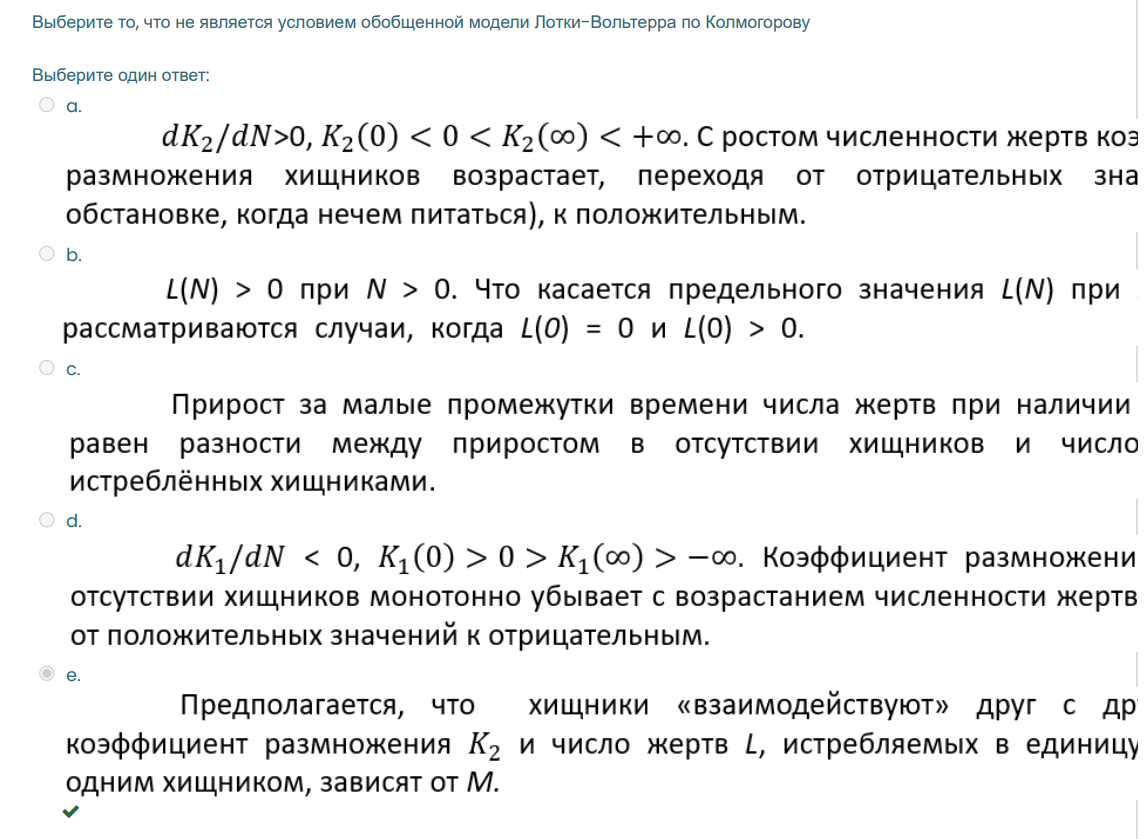
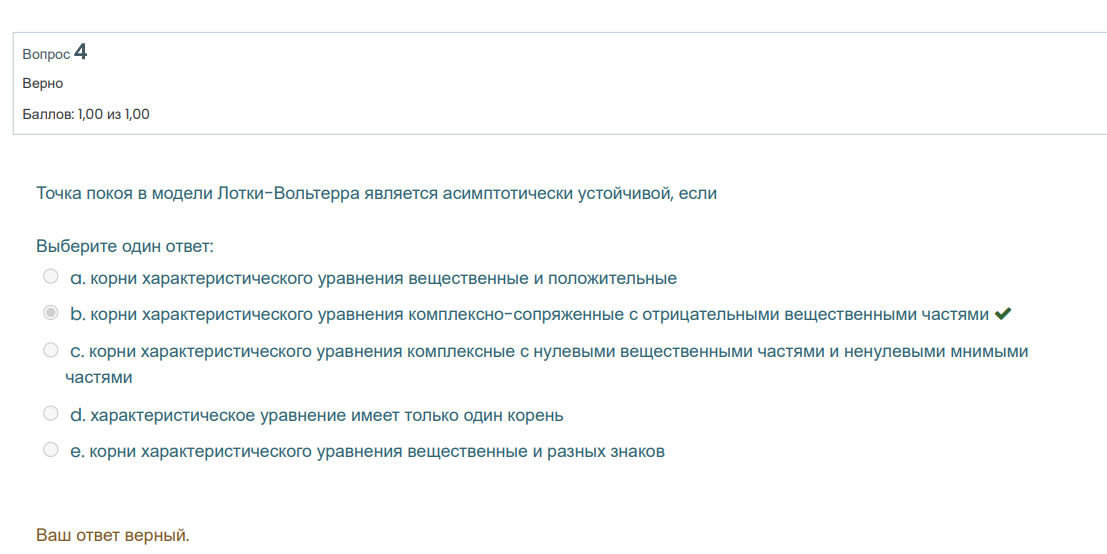
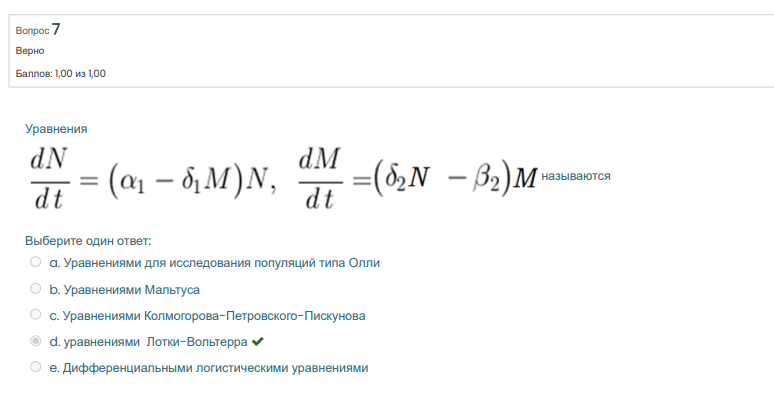
# **Теория**



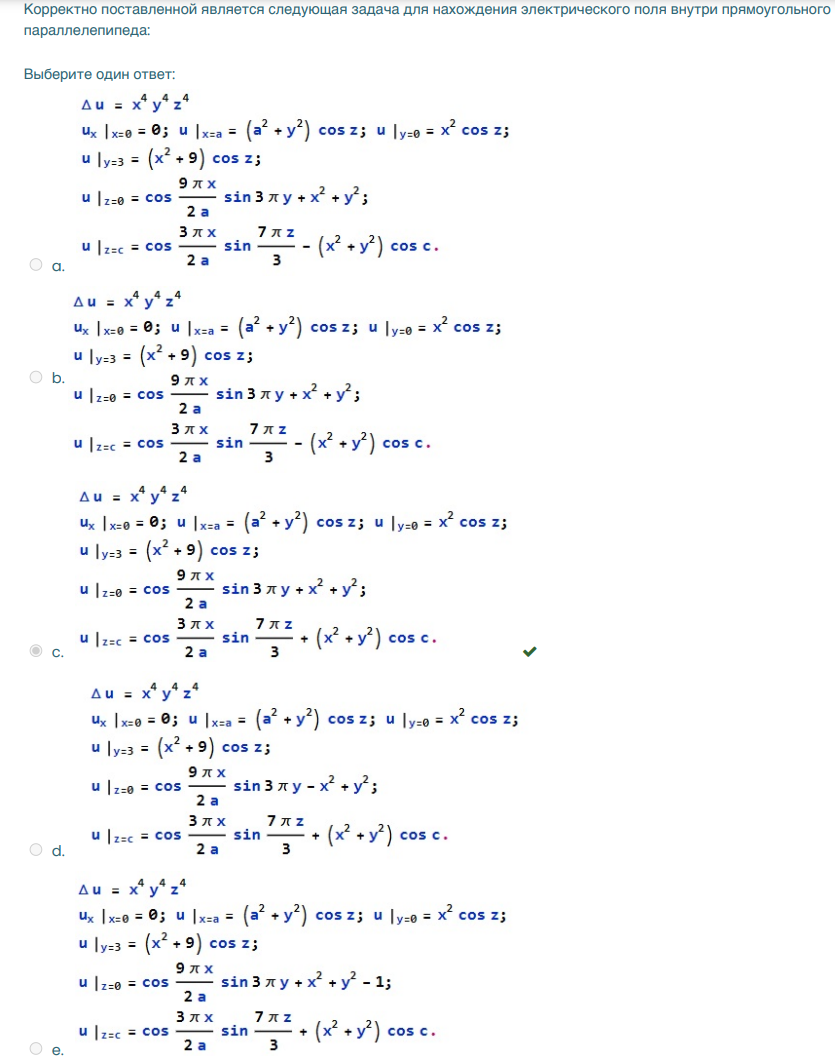




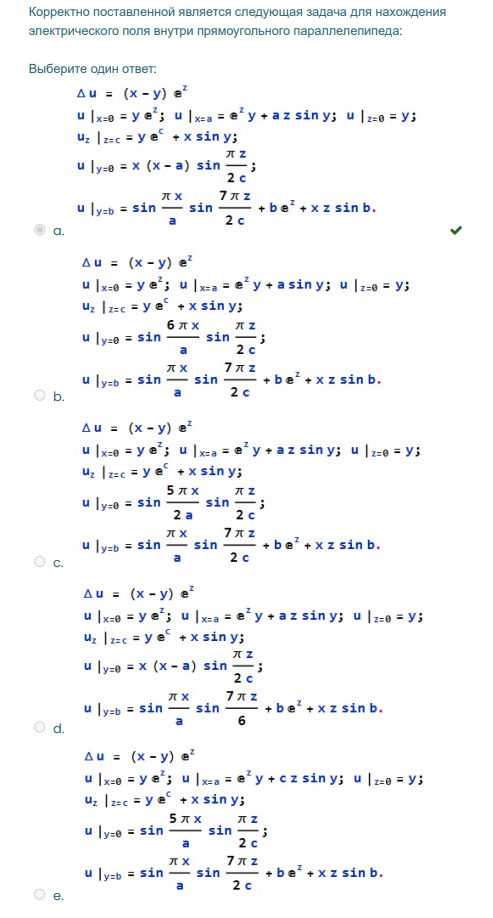




# **Корректно поставленная задача**







#### Задание

\delta=x^2+y^2+z^2

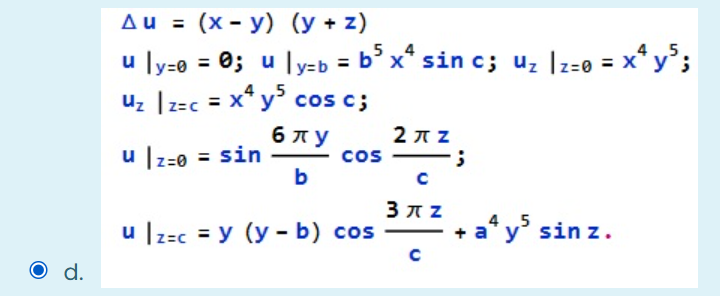
u|\_{x=0}=y^2sin(z), u\_x|\_{x=2}=yz+4cos(x); u\_y|\_{y=0}=xz,

u|\_{y=b}=bxy=x^2cos(y)+y^2sin(b)

u|\_{z=0}=sin(5pi x/4)cos(3pi y/2b)+x^2cos(y)

u|\_{z=c}=sin(pi x/4)cos(3pi y/2b)+cxy+x^2cos(y)+y^2sin(c)

#### Задание



# 

# 

# 

# 

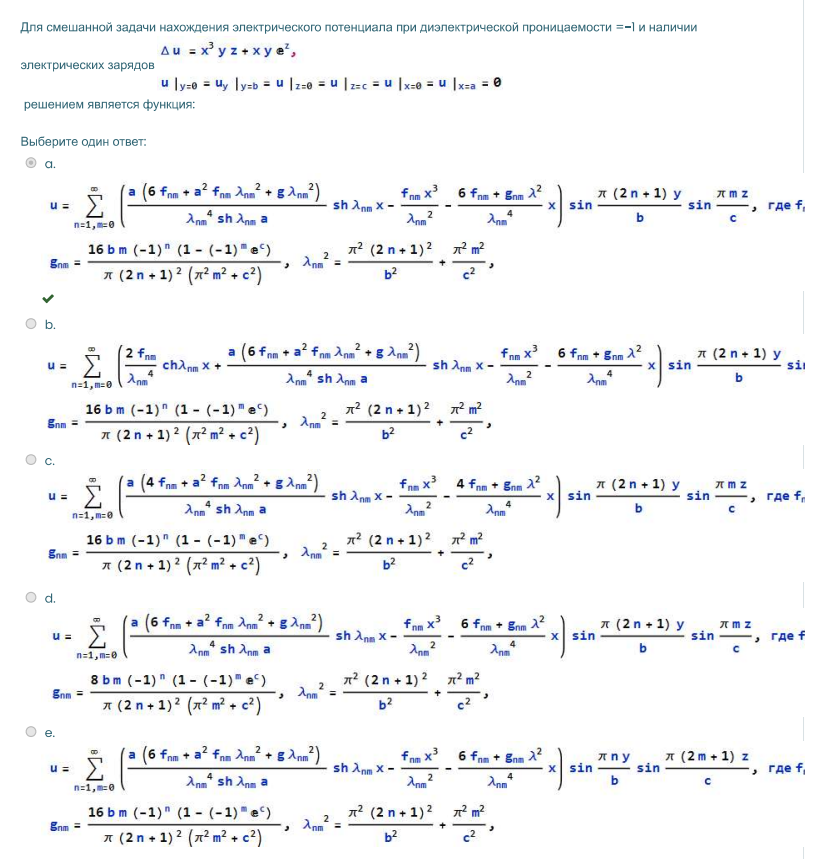
# 

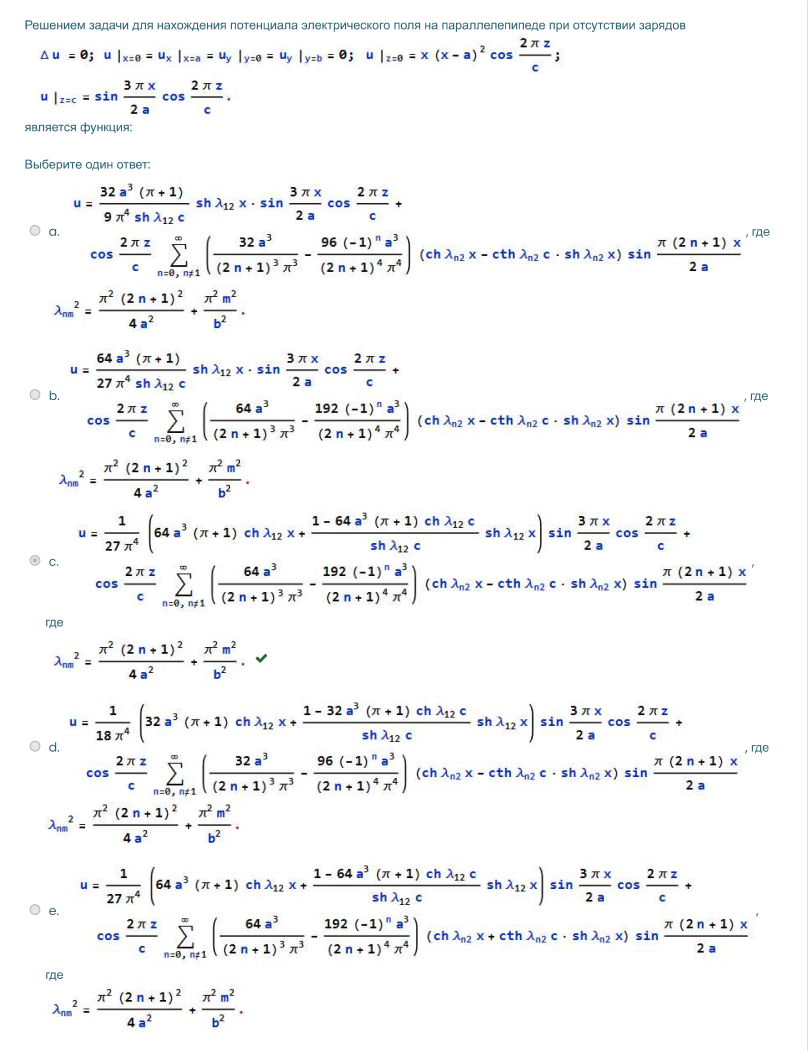
# 

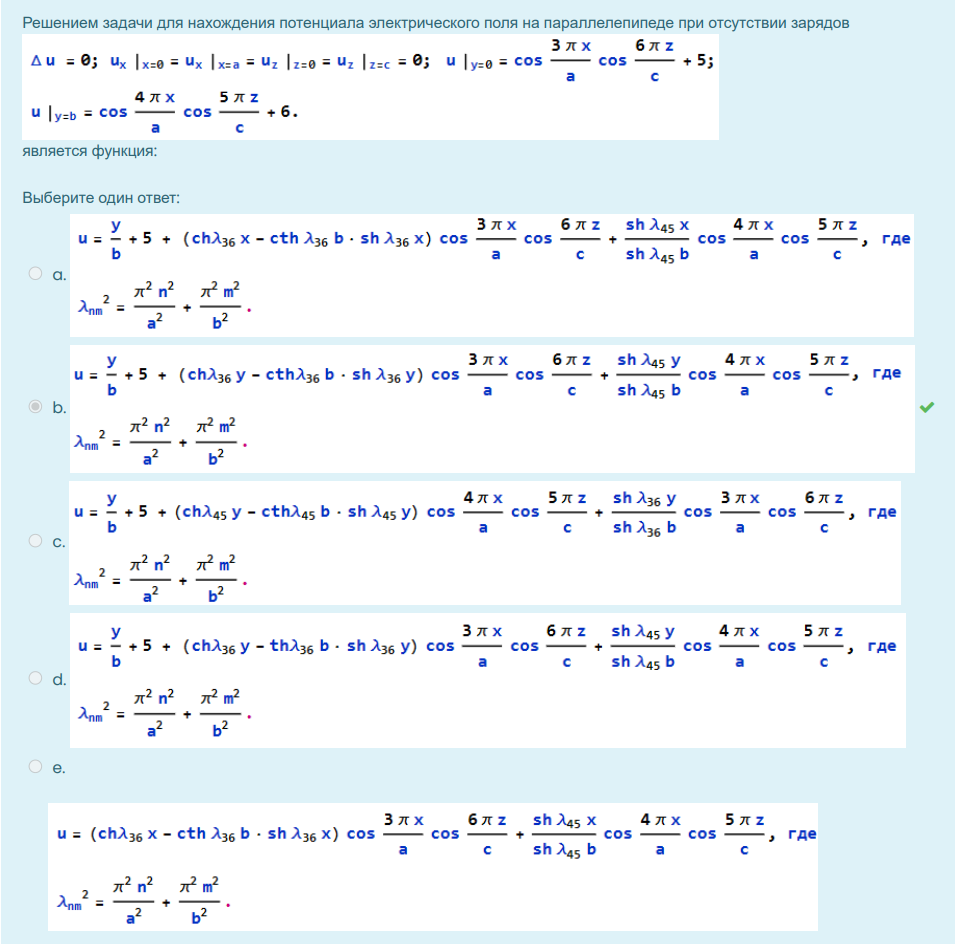
# 

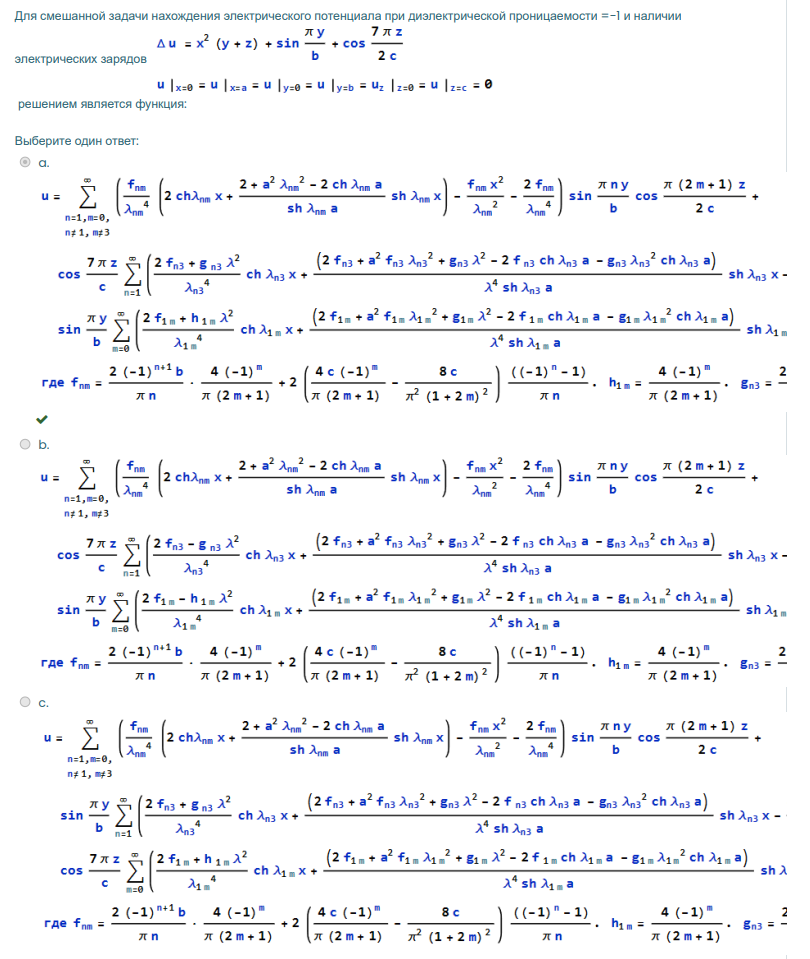
# 

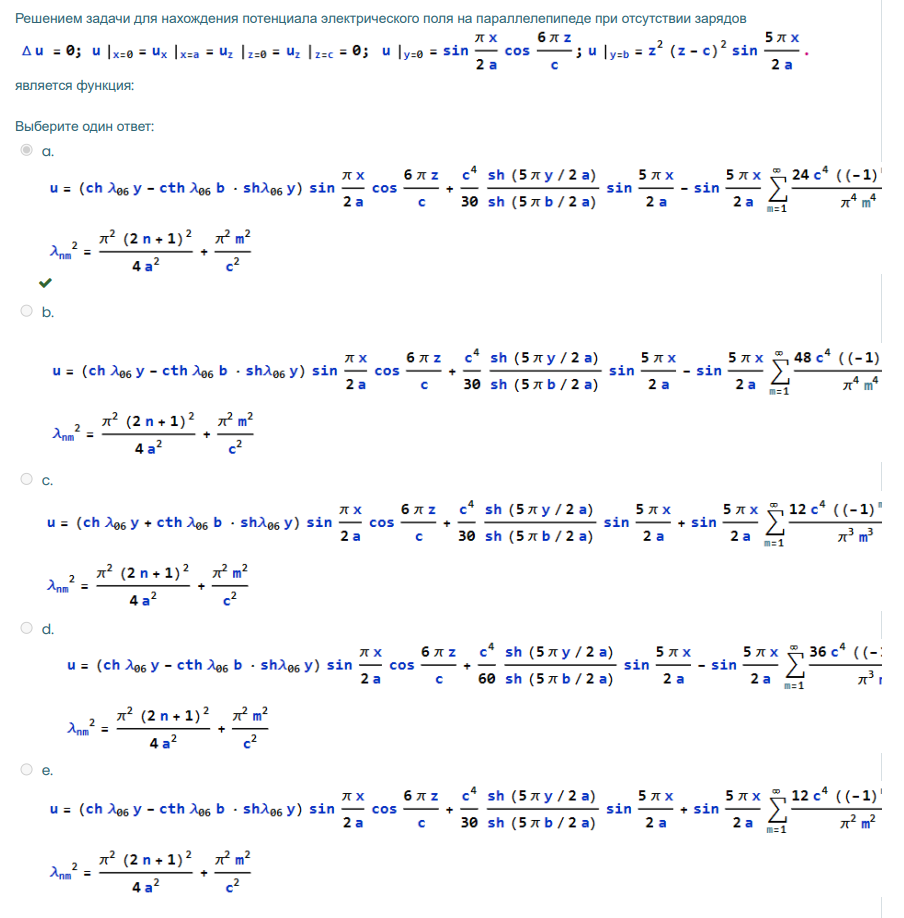
# **Смешанная задача на параллелепипеде**

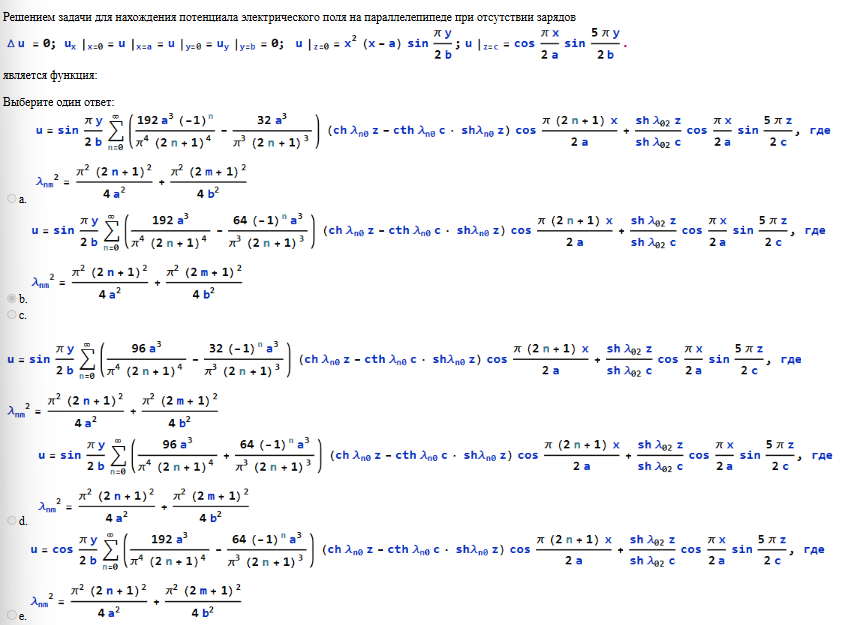


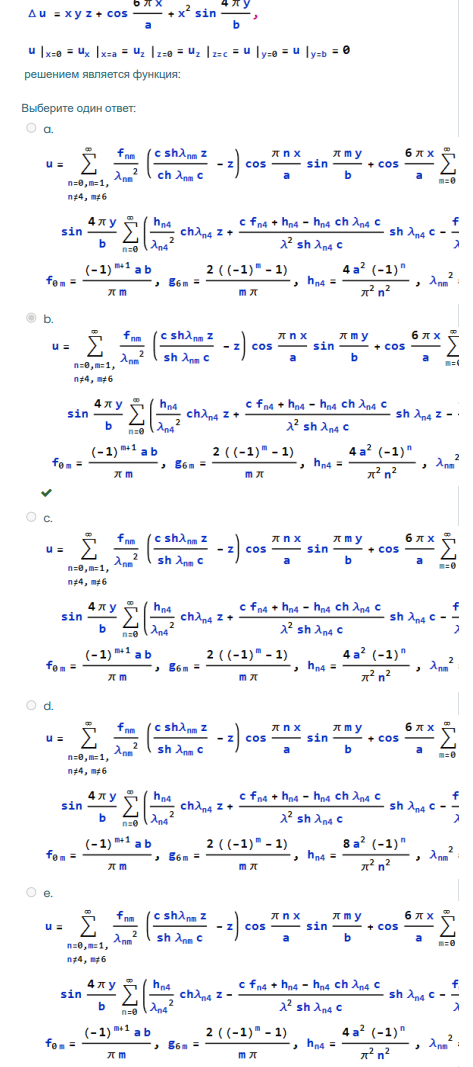


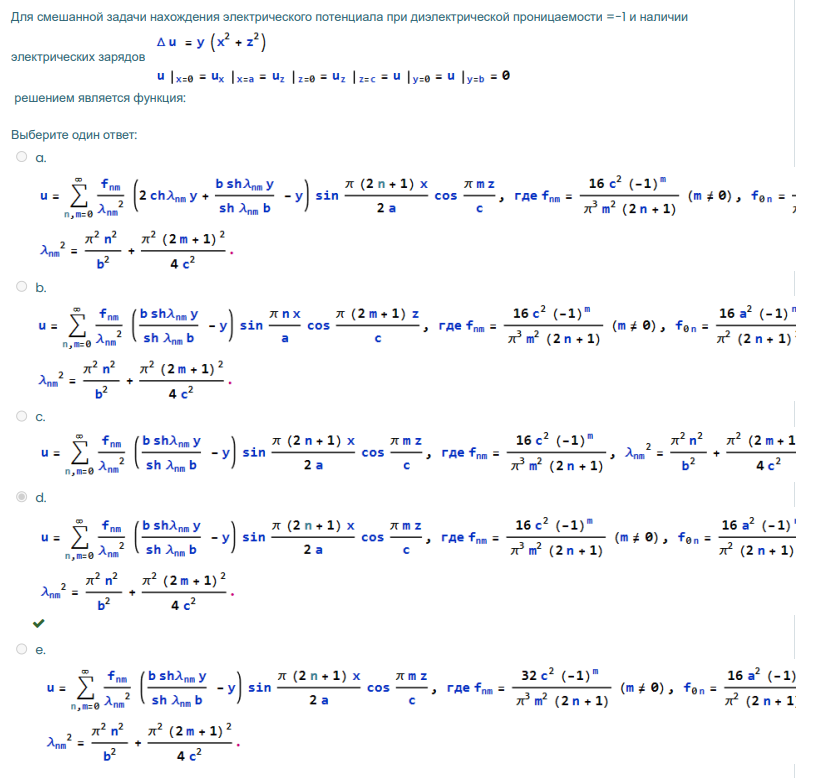




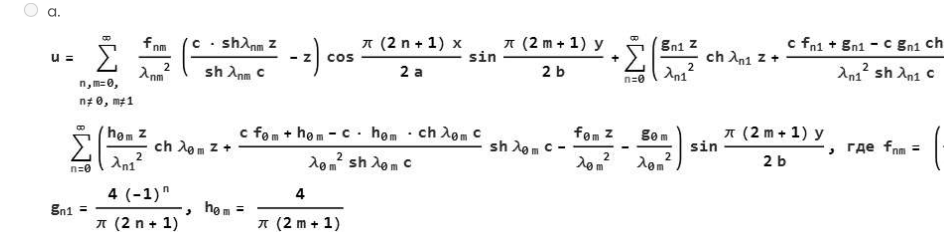




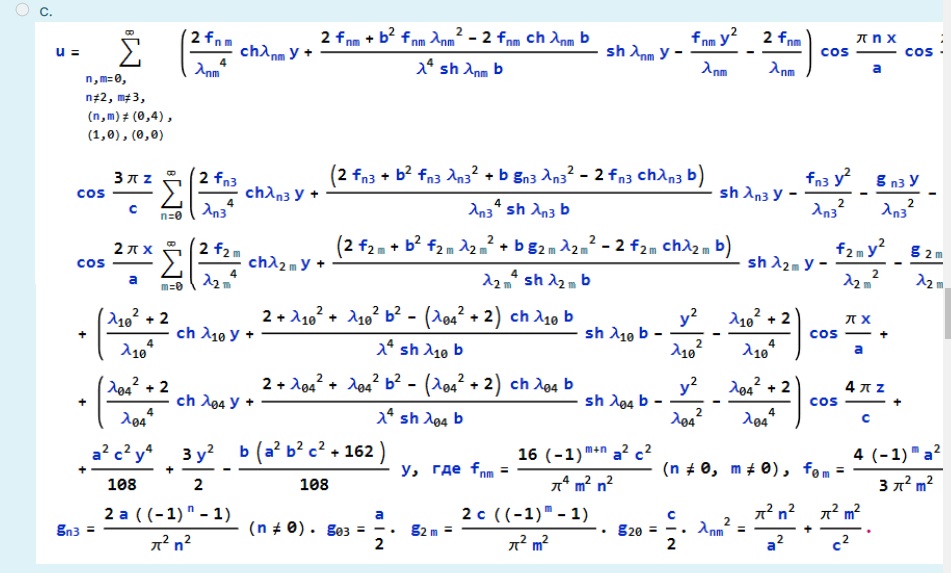




### Задание.

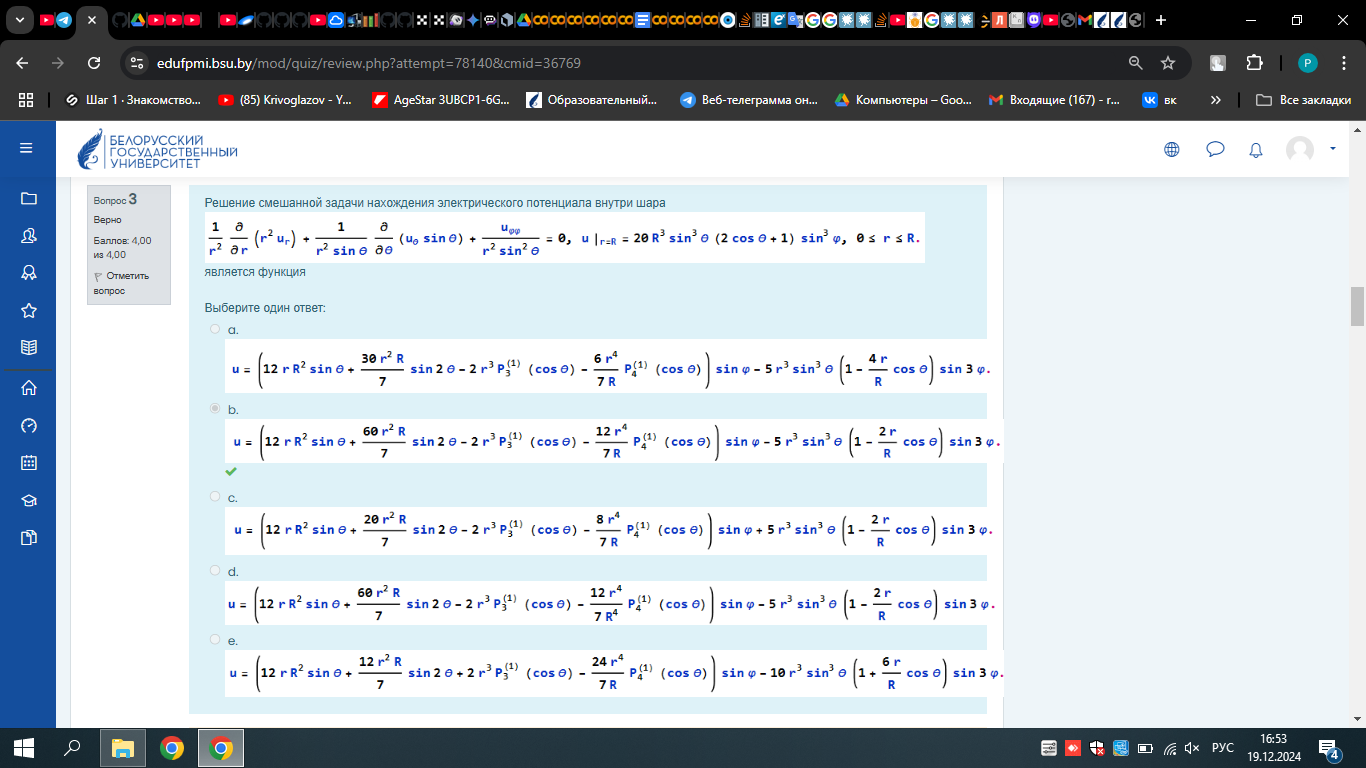
Ответ: 

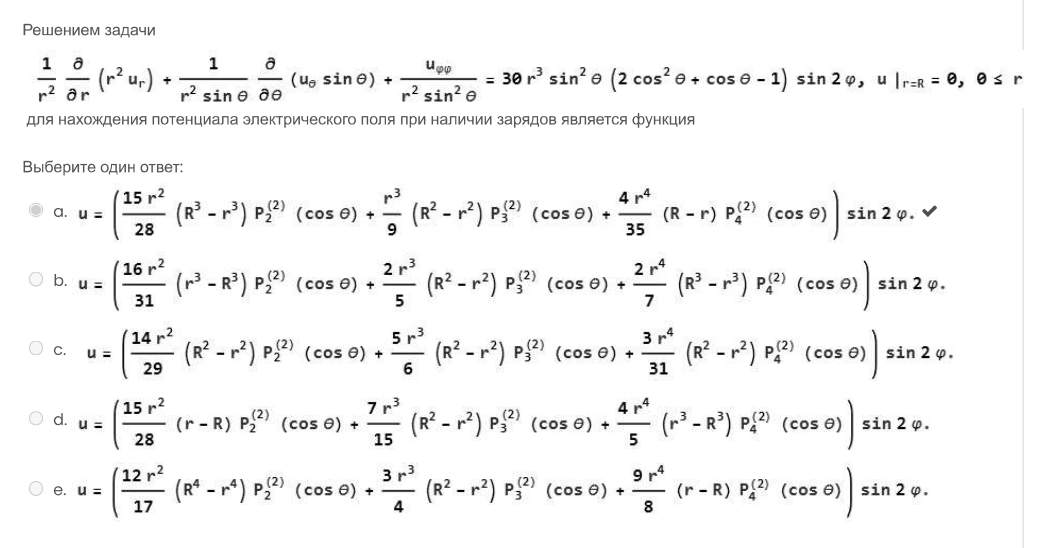
#### Задание.

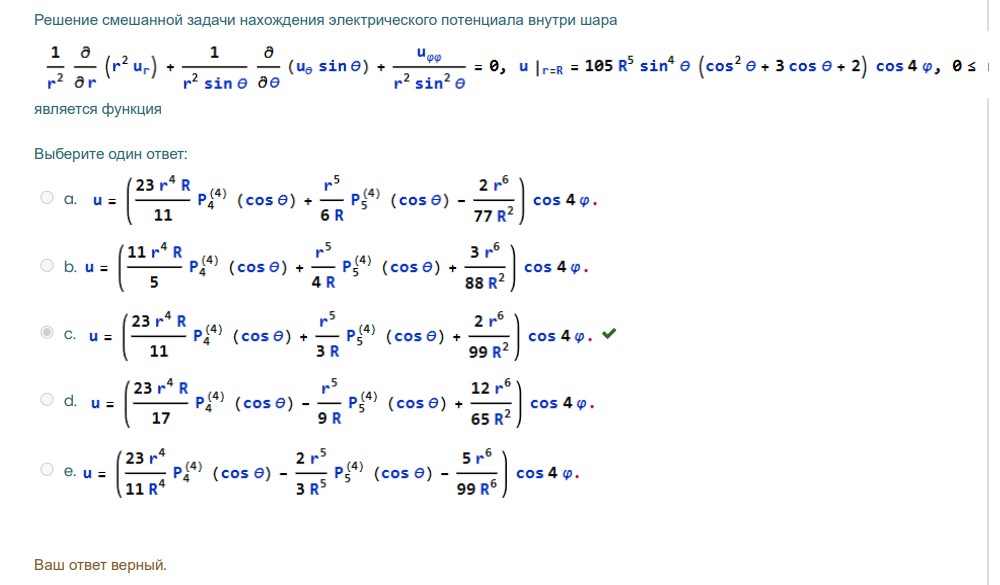
Ответ: 

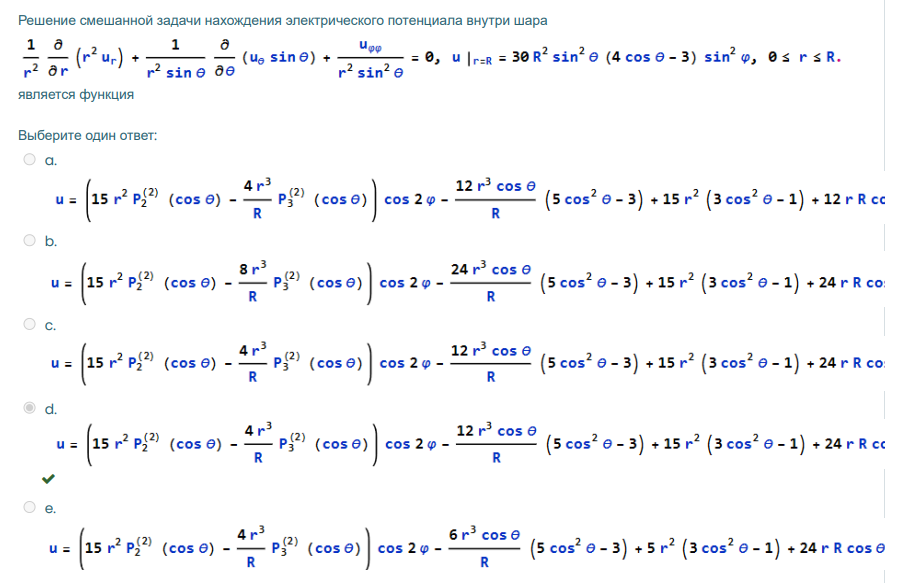
# **Задача в шаре с R**

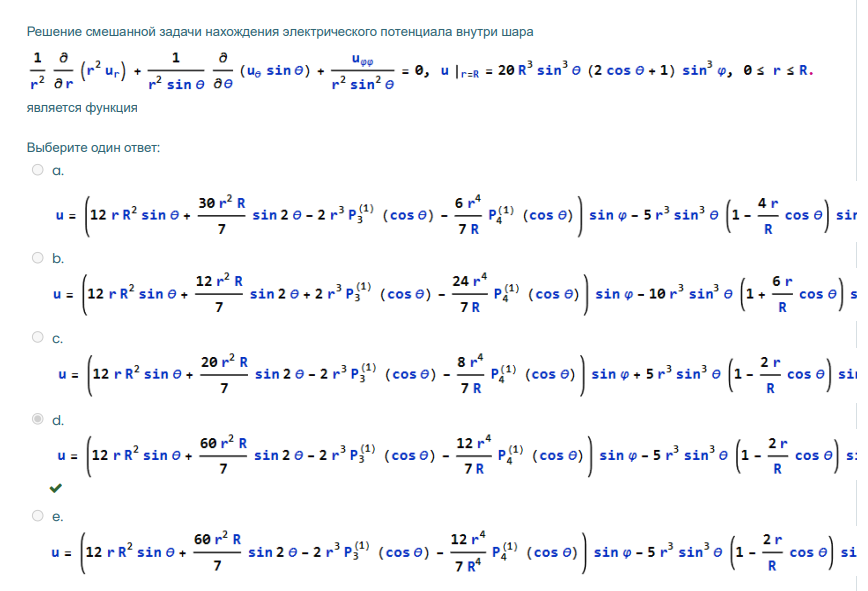












# **Задача в шаре с R\_1, R\_2**

