

1. (10 )

$R$

$\omega$

$$V = \omega(R - r), \quad r -$$

2. (10 )

$V_0$

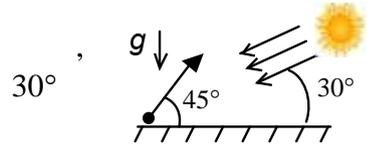
$45^\circ$

( . . ),

(5 ).

(5 )?

$g$



3. (10 )

$m$

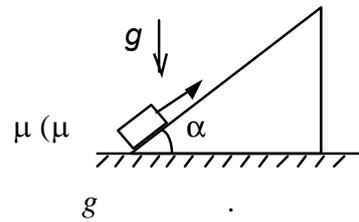
( . . ).

$\alpha,$

$< \text{tg}\alpha.$

(5 )

(5 )?

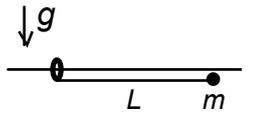


4. (10 )

$m$

$L$

( . . ).



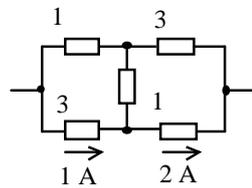
).

« - »

« - » (4

(6 )?

$g$



5. (10 )

(5 ).

(5 )