

1. (10)

R

ω

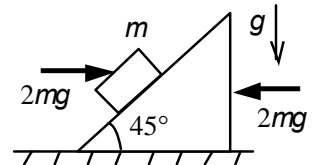
$$V = \omega(R - r), \quad r -$$

2. (10)

m

45° .

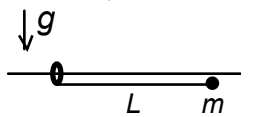
(5) $2mg$ (5 , $g -$)



3. (10)

m

L



(. .).

« - »
(6).
« - » (4)?
 g .

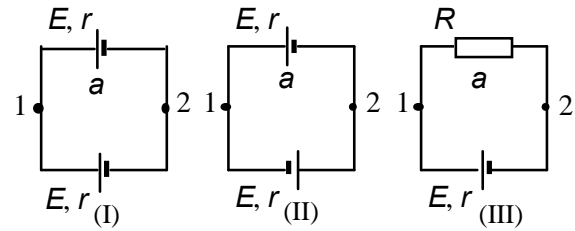
4. (10)

$E,$

r

$R.$

1- 2 (4), (4) (2) .



5. (10)

?