

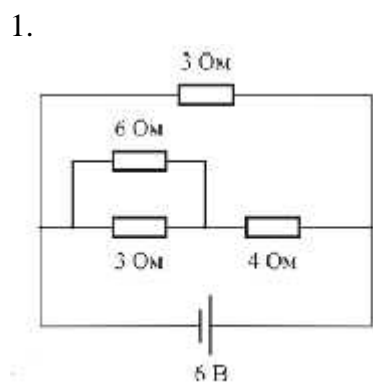
1.

1.  $t_1$   $h/(gt_1^2)$   $h = v_0^2 / (2g)$   $v_0$
2.  $3v_0/4$ .
3.  $t_2$   $v = v_0 - gt_2$ .
4. (
5.  $t = t_1 + 2t_2 = 1,38 \text{ c}$

2.

1.  $q = \frac{Q_1}{t_1} = \frac{cm\Delta T_1}{t_1}$
- $t_2 = \frac{Q_2}{q}$
- $t_3 = \frac{Q_3}{q} = \frac{\lambda m}{q}$
- $t_1 + t_2 + t_3 = 120 \text{ мин} = 2 \text{ ч}$

3.



2.  $R = 2$

3.

4.

$I=3$

1.

2.

3.

4.

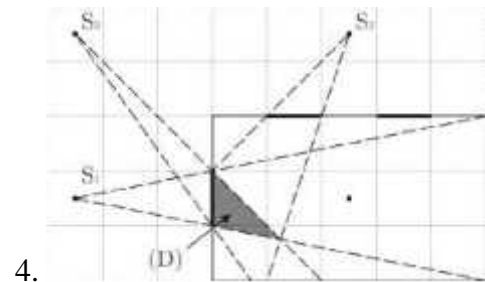
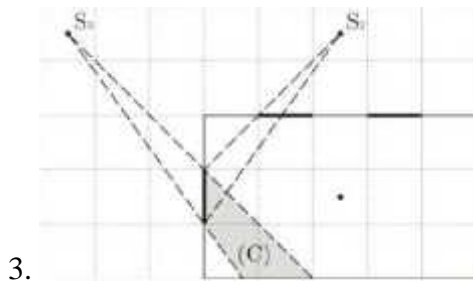
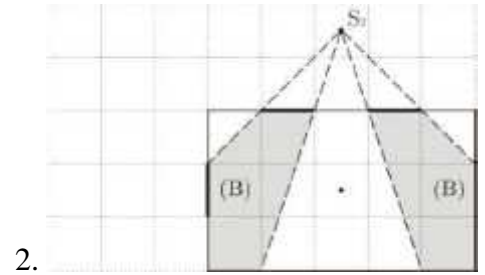
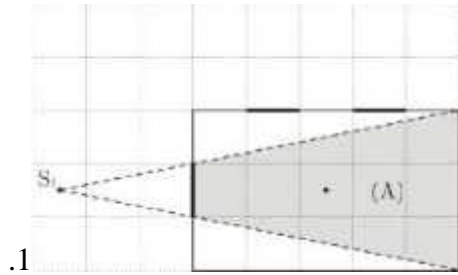
5.

6.

1 ( ),  
 2 (B),  
 3 ( ),  
 ( ), ( ), ( ).

$S_1$ ,  $S_2$ ,  $S_3$ .  
 1 ( (D)),

4



7.

$S_1$

1.

8.

3

(D),

5.

1.

$\mu = \text{tg}\alpha$ ,

2.

3.

$$F_{\text{тр}} = F_{\text{тяги}}$$

$$F_{\text{тр}} = \mu mg,$$

$$m = \frac{F_{\text{тяги}}}{\mu g}$$