სადირექციო წერა ფიზიკა VII კლასი

1. მოც.:
$$v_1 = 15$$
 მ/წმ
$$t_1 = 20$$
 წმ
$$t_2 = 1$$
 წთ=60 წმ
$$s_1 = s_2$$

$$v_2 = ?$$
 (1 ქულა)

$$s_1 = v_1 t_1 \ (1 \ \text{ქულა})$$
 $s_2 = v_2 t_2 \ (1 \ \text{ქულა})$ $v_1 t_1 = v_2 t_2 \ (1 \ \text{ქულა})$ $v_2 = \frac{v_1 t_1}{t_2} = 50 / \% \partial \ (1 \ \text{ქულა})$

2.
$$\partial m_{0}$$
: $s_{1} = 200 \ \partial$

$$t_{1} = 10 \% \partial$$

$$s_{2} = 510 \partial$$

$$v_{2} = v_{1} - 3 \ \partial / \% \partial$$

$$t_{2} = ? \qquad (1 \ \partial m_{0})$$

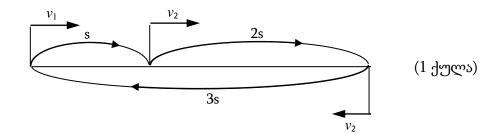
$$v_1 = \frac{s_1}{t_1} = 20\,$$
 მ/წმ (1 ქულა)
$$v_2 = 20 - 3 = 17\,$$
 მ/წმ (1 ქულა)
$$t_2 = \frac{s_2}{t_2} = \frac{510}{17} = 30\,$$
წმ (2 ქულა)

3. მოც.:
$$v_1 = 30$$
 მ/წმ
$$t_1 = t_2$$

$$s_1 = s$$

$$s_2 = 5s$$

$$v_2 = ?$$
 (1 ქულა)



$$t_1 = \frac{s_1}{v_1} = \frac{s}{v_1}$$
 (1 ქულა) $t_2 = \frac{s_2}{v_2} = \frac{5s}{v_2}$

$$t_1 = t_2$$

$$\frac{s}{v_1} = \frac{5s}{v_2} \qquad \frac{(1 \text{ ქულა})}{v_2}$$

$$v_2 = 5v_1 = 150 \text{ 30/bos } (1 \text{ ქულა}).$$

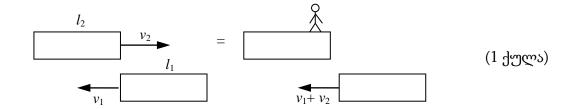
 $S = l_1 + l_2$

4. მოც.:

$$v_1 = 15 \ \partial / \partial \partial$$

$$v_2 = 72 \, \text{30/vo} = 200/ \, \text{fd}$$

$$l_1 = 1000$$



$$s = vt$$
 $s = l_1 + l_2$ $v = v_1 + v_2$ (1 ქულა) $l_1 + l_2 = (v_1 + v_2) \cdot t$ $l_1 = 250 \vartheta$

5. მოც.:

(1 ქულა)

$$v = v_{\delta} + v_{\partial \varphi}$$
 (1 ქულა)

$$v = \frac{s}{t}$$
 (1 ქულა)

$$v_{\delta} + v_{\partial \varphi} = \frac{s}{t}$$
 15+ $v_{\partial \varphi} = \frac{3600}{1800}$ $v_{\partial \varphi} = 5$ მ/წმ (1 ქულა)



6. მოც.:

$$S_1=600 \ \theta$$

$$v_1=10 \ \theta/6\theta$$

$$t_2=20 \ \theta$$

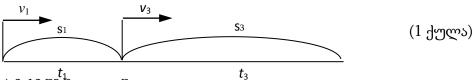
$$s_2=0$$

$$s_3=800 \ \theta$$

$$v_3=20 \ \theta/6\theta$$

$$v_{\rm bs 3.} = rac{s_1 + s_2 + s_3}{t_1 + t_2 + t_3}$$
 (1 ქულა)

$$v_{\text{bs 3.}} = \frac{600 + 0 + 800}{\frac{s_1}{v_1} + t_2 + \frac{s_3}{v_3}} = \frac{1400}{\frac{600}{10} + 20 + \frac{800}{20}} = \frac{1400}{120} = \frac{35}{3}$$
 მ/წმ (2 ქულა)



7. ა) 0-10 წმ შუალედში

$$v_1$$
=6 $\partial/\beta\partial$

$$t_1$$
=4 $\beta\partial$

$$v_2$$
=2 $\partial/\beta\partial$

$$v_{\mathrm{bol}} = rac{s_1 + s_2}{t_1 + t_2}$$
 $v_{\mathrm{bol}} = rac{v_1 t_1 + v_2 t_2}{t_1 + t_2}$ (1 ქულა)

t2=6 წ∂

$$v_{\text{bs}3.} = \frac{6 \cdot 4 + 2 \cdot 6}{4 + 6} = 3.6$$
 მ/წმ (1 ქულა)

ბ) ა) 0-18 წმ შუალედში

$$v_{bs3.} = \frac{s_1 + s_2 + s_3}{t_1 + t_2 + t_3}$$

$$v_{bs3.} = \frac{v_1 t_1 + v_2 t_2 + v_3 t_3}{t_1 + t_2 + t_3}$$

$$v_{\text{bs3.}} = \frac{6 \cdot 4 + 2 \cdot 6 + 9 \cdot 8}{4 + 6 + 8} = 6 \quad 3/\text{V3}$$

(1 ქულა)

8.

$$v_1 = \frac{s_1}{t_1} = \frac{18}{3} = 6 \, \partial / \nabla \partial$$

(1 ქულა)

$$v_2 = \frac{s_2}{t_2} = 0$$

(1 ქულა)

$$v_3 = \frac{s_3}{t_3} = \frac{30 - 24}{9 - 7} = 3 \, \frac{3}{9} / \text{Va}$$

(1 ქულა)

$$t_1 = \frac{24}{6} = 4 \, \text{Va}$$

