

v1

Dikno :

$L = 10 \text{ cm}$   
 $AB = 10 \text{ cm}$   
 $V_A = 1 \text{ m/c}$

cu:

$0,1 \text{ m}$   
 $0,1 \text{ m}$

Jawab:

$V_A = Lt$        $L = 30$

$V_A = 0,1 t$

$1 = 0,1 t$

$0,1 t = 1$

$t = 10 \text{ c}$

$V = \frac{S}{t}$

$V_{cp} = \frac{2V_A + V_B}{V_A + V_B} = \frac{6}{3} = 2 \text{ m/c}$

t-?

$V_B = 2 V_A = 2 \text{ m/c} - 25$

~~$t = \frac{S}{V}$~~

~~$t = \frac{30}{0,1 + 2}$~~

~~$t = \frac{30}{2,1}$~~

$t = \frac{30}{V_{cp}}$

$t = \frac{0,1}{2} = 0,05 \text{ c} - 25$

Jawab:  $0,05 \text{ c}$        $45$

v2

Dikno :

$R_1 = 40 \text{ Ohm}$   
 $R_2 = 40 \text{ Ohm}$   
 $R_3 = 60 \text{ Ohm}$   
 $R_4 = 40 \text{ Ohm}$   
 $R_5 = 16 \text{ Ohm}$   
 $R_6 = 20 \text{ Ohm}$   
 $\epsilon = 8,4 \text{ V}$   
 $r = 2 \text{ Ohm}$

R-?

Jawab:

$R = \frac{1}{R_1} + \frac{1}{R_6} + \frac{1}{R_2} + \frac{1}{R_3} + \frac{1}{R_4} =$

$= \frac{1}{10} + \frac{1}{20} + \frac{1}{40} + \frac{1}{60} + \frac{1}{40} = \frac{12+6+3+2+3}{120} = \frac{26}{120} - 25$

$= \frac{13}{60} \text{ Ohm}$

$V = RI$     $R = \frac{V}{I}$     $I = \frac{V}{R} - 15$

$P = \frac{VI^2}{R}$

$I = \frac{8,4}{2} = 4,2 \text{ A}$

$$I = \frac{V}{R_5} = 0,525 \text{ A} \quad V_1 = I \cdot R_3 = 0,525 \cdot 60 = 31,5 \text{ B} - 10$$

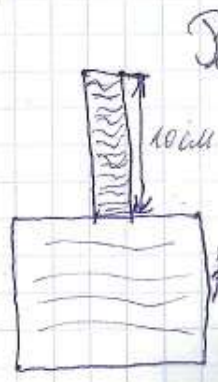
$$P = \frac{31 \cdot 0,275625}{60} = 0,15 \text{ Bt}$$

Orubun: 0,15 B.

13

Dawo:  
 $\rho = 520 \frac{\text{kg}}{\text{m}^3}$   
 $r = 10 \text{ cm}$   
 $\rho = 1000 \frac{\text{kg}}{\text{m}^3}$   
 $h = ?$

Cu:  
 $0,1 \text{ m}$



Sevenue:

$$\frac{P_c}{P_b} = \frac{520}{1000} = 0,52 - 10$$

$$h = 0,52 \cdot 10 = 5,2 \text{ cm}$$

$$h = 0,52 \cdot L$$

$$h = 0,52 \cdot 10 = 5,2 \text{ cm}$$

Orubun: 0,52 m.

14

Dawo:  
 $t_0 = 10^\circ \text{C}$   
 $t_1 = 10 \text{ mm}$   
 $c = 4,2 \cdot 10^3 \frac{\text{J}}{\text{kg} \cdot ^\circ \text{C}}$   
 $L = 2,3 \cdot 10^6 \frac{\text{J}}{\text{kg}}$   
 $t = 100^\circ \text{C}$   
 $t_2 = ?$

Cu:  
 $600^\circ \text{C}$

Sevenue:

$$Q = cm(\Delta t) - 15 \quad Q = E = A - 15$$

$$A = \frac{Q}{Vt}, \quad P = VI t$$

Orubun: 240 C.

$$Q = 4200 \cdot 80 = 378000 \text{ J}$$

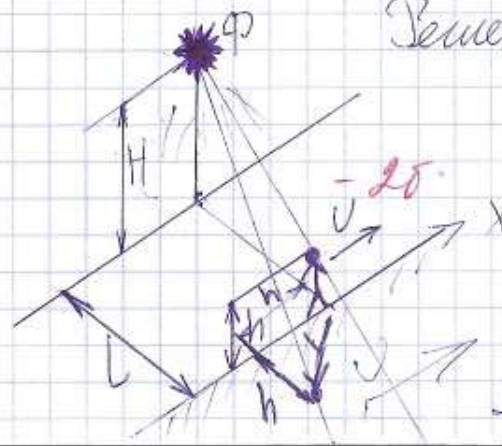
$$L = \frac{Q}{m} - 15$$

$$m = \frac{Q}{L} = \frac{378000}{2,3 \cdot 10^6} = 0,16 \text{ kg}$$

Orubun: 240 C.

15

Dawo:  
 $V$   
 $L$   
 $\phi$   
 $H$   
 $\frac{V}{X} = ?$



Sevenue:

$$S_1 = L + h - 15$$

$$S_2 = \sqrt{H^2 + S_1^2}$$

$$S_3 = \sqrt{h^2 + h^2}$$

$$S = \frac{S_2}{S_3}$$

$$\frac{V}{X} = \frac{S_2}{S_3} - 20$$



Answer:  $\frac{V}{X} = \frac{S_2}{S_3}$

$\frac{55}{255}$