

2012

Без тем за 11 клас



— 180

36

- 1.
- 2.
- 3.
- 4.
- 5.

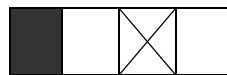
31 – 36

6.

(SI)

- 1.
- 2.
- 3.
- 4.

1 – 30



31 – 36

- 5.
- 6.

!

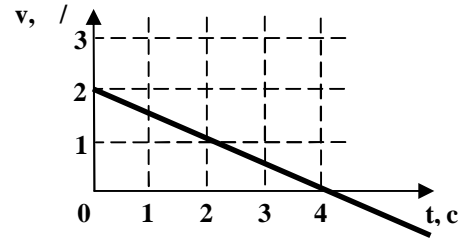
«

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1-26

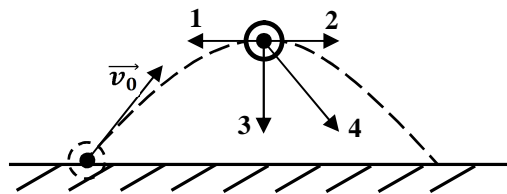
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1.



$v(t) = 2 + 0,5t$	$v(t) = 2 - 0,5t$	$v(t) = 2 - 2t$	$v(t) = 4 - 0,5t$
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2.



-1, -3	-4, -2	-2, -3	-3, -3

3.

4.

$$6,67 \cdot 10^{-11} \frac{\text{Н} \cdot \text{М}^2}{\text{кг}^2} \cdot \frac{1,334 \cdot 10^{25} \text{ кг}}{6000^2} = 670$$

20 / ²	133,4 / ²	13,34 / ²	10 / ²

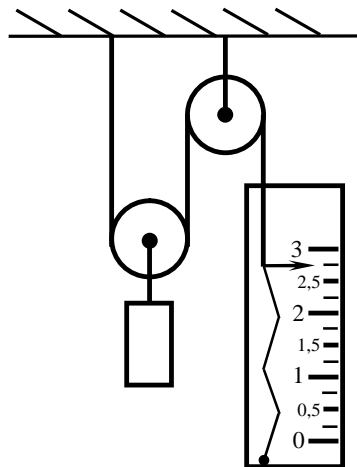
5.

$$0,2 \cdot 200 = ? \quad g = 10 \text{ М} / \text{с}^2$$

36 /	10 /	40 /	20 /

6.

$$g = 10 \text{ М} / \text{с}^2$$



225	100	50	75

7.

$$2 \cdot 8 = ?$$

4	2	4	2

8.

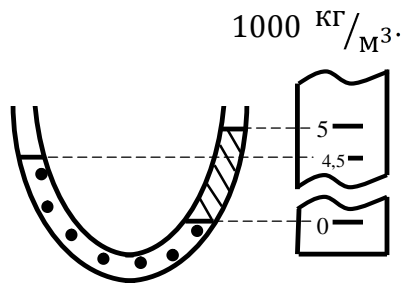
108 /

0,3. , $g = 10^M/c^2$.

150	50	300	100

9.

U-



800 kg/m^3	850 kg/m^3	900 kg/m^3	1111 kg/m^3

10.

$x(t) = 0,05 \cos(\frac{\pi}{2}t + \frac{\pi}{3})$.

1	2	4	0,25

11.

500

2

3

1	3	6	12

12.

: «

».

13.

() ,

14.

12 / (2). 16 / . 1,1' .

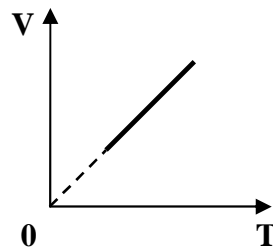
0,004	4	25	0,025

15.

3 . ?

9
9
3
3

16.

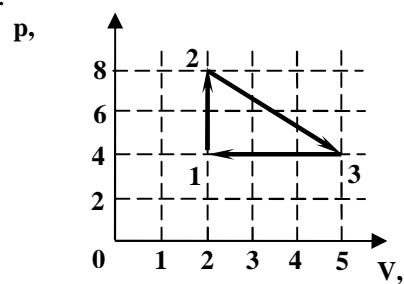


17.

2 20 830 . ,
20 / ,
8,3 Дж/моль · К

200 ⁰	-73 ⁰	73 ⁰	-200 ⁰

18.

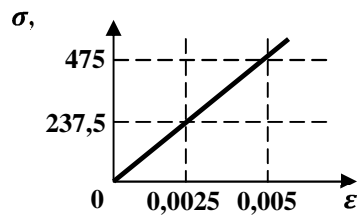


6	12	3	24

19.

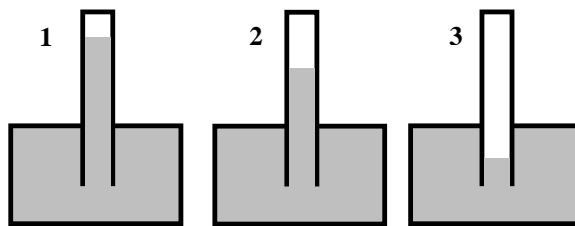
$$500 \frac{\text{Дж}}{\text{кг} \cdot \text{К}}, \text{ а м } 385 \frac{\text{Дж}}{\text{кг} \cdot \text{К}}$$

20.



95	190	23,75	47,5

21.



$\sigma_3 > \sigma_2 > \sigma_1$	$\sigma_1 > \sigma_2 > \sigma_3$	$\sigma_2 > \sigma_3 > \sigma_1$	$\sigma_3 > \sigma_1 > \sigma_2$

22.

$$1,5 \quad , \quad 5 \quad -2$$

$$4,5$$

$$1,5$$

23.



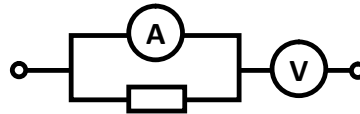
24.

1800 , *0,3* *20*

2	0,5	0,3	1

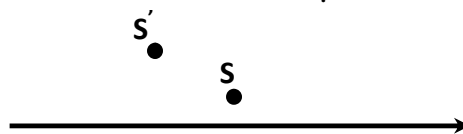
25.

« »,



26.

(S') (S),



,
,
,
,

27-30

() ().
!

27.

1

$$\frac{v_0^2 \sin^2 \alpha}{2g}$$

2

$$\frac{\Delta v}{\Delta t}$$

3

$$\frac{\Delta \varphi}{\Delta t}$$

4

$$\frac{S_1 + S_2 + \dots + S_n}{t_1 + t_2 + \dots + t_n}$$
$$v_0 t + \frac{at^2}{2}$$

1					
2					
3					
4					

28.

1

,

2

,

3

,

4

1					
2					
3					
4					

29.

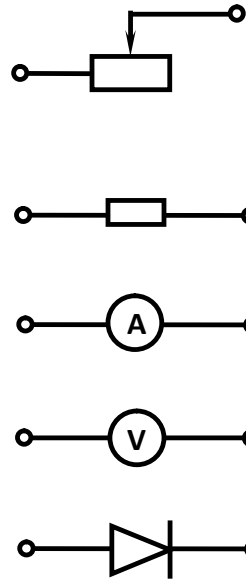
- 1
- 2
- 3
- 4

$$Q = A$$
$$Q = \Delta U$$
$$A = -\Delta U$$
$$Q = \Delta U + A$$
$$Q = -A$$

1					
2					
3					
4					

30.

- 1
- 2
- 3
- 4



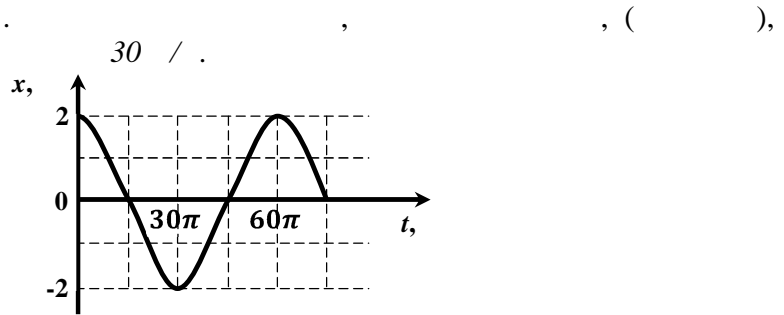
1					
2					
3					
4					

31-36.

31.

$2 \text{ М} / \text{с}^2$ та про $8 \cdot 2 /$,

32.



33.

$500 /$ $100 / ^3$

34.

-10 , 24 , 210

35.

40 ($q_1 = -4 \text{ нКл}$ $q_2 = -9 \text{ нКл}$)

36.

$R_1 = 2 \text{ Ом}, R_2 = 0,8 \text{ Ом}, R_3 = 2 \text{ Ом}, R_4 = 3 \text{ Ом}, R_5 = 4 \text{ Ом}.$

