**9**

1.  .            ,          .

      ,       60           2 4

.        ?

:

,  :

$$S = V_0 t_1 - \frac{a t_1^2}{2}; \quad S = V_0 t_2 - \frac{a t_2^2}{2}$$

$: a = 0,15 \ / \ ^2, \ V_0 = 0,45 \ /$

2.  .           ,           ?

         .       380      / ° ,         8900

/ $^3$,        330     / .

:

,

.             ,        : $\}\cdots_l V - \cdots_m V c_m t = 0 ,$     $\cdots_l , \cdots_m$ -

      . $t = \}\cdots_l \Big/ c_m \cdots_m = 87,8 \ ^0 C$ .

3.  ,         ,          .        9 ,     90 ,

$0 \ ^0$ .                 11300 / $^3$,        1000 / $^3$,

?       330     / .

:

$Q = \}(m - m )$

$m -$            ;

$m -$            .

,      $(m + m )g = \cdots \, g(V + V )$

$m + m = \cdots (\frac{m}{\cdots} + \frac{m}{\cdots})$      $m = 74$ .      $Q = 5280$ .

4.        3       1,5 /       .         175

      15 $^0$ .            ?

      4200 / ° ,       1000 / $^3$.

:

$$n = 1 - y = 1 - \frac{cm\Delta t}{P\ddagger} = 1 - \frac{c \cdots f d^2 V \Delta t}{4P} = 0,45$$

5.  ,             100

,           60    .

: