

9 , 2015-2016 .

1.

, , , $V_1 = 72$ / , 10
 $V_2 = 32,4$ / .

2.

$m_1 = 64$. , $m_2 = 65$, ,

t , $h = 3$?

3.

$r = 2,5$. $l = 4$ $m = 300$

4.

? 0^0 ,
 $c = 836 \frac{\text{Дж}}{\text{кг} \cdot \text{К}}$, $\rho_1 = 9,2 * 10^3 \frac{\text{кг}}{\text{м}^3}$, $\rho = 2,7 * 10^3 \frac{\text{кг}}{\text{м}^3}$.
 $\lambda = 3,3 * 10^5 \frac{\text{Дж}}{\text{кг}}$.

5.

$\Delta t_1 = 400^\circ\text{C}$, $R = 40$

$r = 10$?