

II ( )

$$-2 \quad \frac{8}{40} \quad .$$

1  
,  
?

, , « » .  
, « » -  
- 60.  
30 , .

2

0 -  
m  
?

- 1) ... < ... 0
- 2) ... > ... 0.

$$F_1 = F_2 .$$

$$F = mg - F .$$

$$F_A = \dots_0 gV = \frac{\dots_0 g m}{\dots} .$$

$$\Delta F = F$$

$$\Delta F = mg \left( 1 - \frac{\dots_0}{\dots} \right) .$$

- 100.

80  
50  
40  
20

3

$$l = 10$$

$$L = 30$$

$$T_1 = 0^{\circ}C \quad T_2 = 10^{\circ}C,$$

$$t = 2$$

?

$$\Delta Q,$$

$$\Delta t,$$

$$\Delta Q \sim S \Delta t.$$

S

$$\Delta Q = \Delta m \},$$

$0^{\circ}C,$

$$\Delta t$$

$$\Delta m = \dots S \Delta h,$$

$$\Delta h$$

$$\Delta Q = \dots S \Delta h \sim \dots S \Delta l \sim S \Delta t,$$

$$\frac{\Delta l}{\Delta t} = \frac{1}{\dots}$$

L

$$t_1 = \frac{L}{l} t = 6$$

- 100.

80  
60

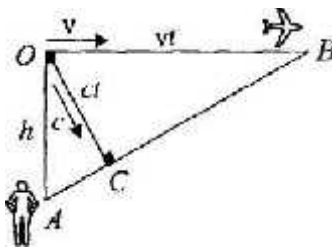
20

4

$$v = 470 \text{ / .}$$

$$t = 21$$

?



$$v >$$

c

( . . ).

$t$ ,

,

$vt$ ,

,

$BOC$

$AOC$

:

$ct$ .

-

$$\frac{h}{ct} = \frac{vt}{\sqrt{(vt)^2 - (ct)^2}}$$

$$h = \frac{ct}{\sqrt{1 - c^2/v^2}} = 9900$$

- 80.

60

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,

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30

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20

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