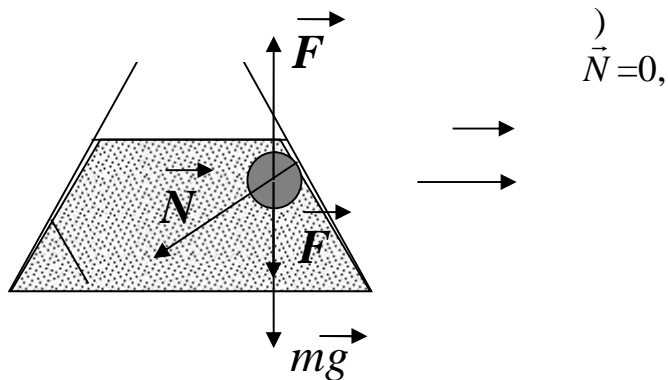


II ( )

10

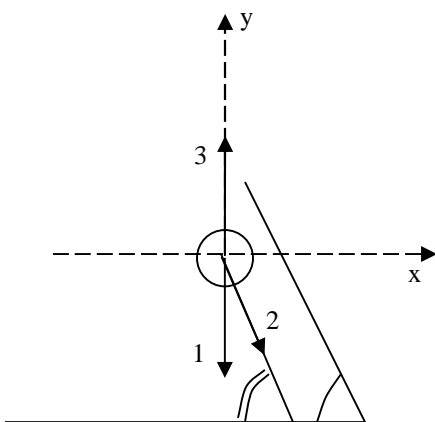
1. (10 )

1



$$F = F - mg = \dots gV - \dots_1 gV = gV(\dots - \dots_1).$$

)



1 - , 2 - , 3 - .

$$ox: F \cdot \cos \gamma = ma$$

$$oy: F - mg - F \sin \gamma = 0$$

$$(F \cos \gamma)^2 = (ma)^2$$

$$(F \sin \gamma)^2 = (F - mg)^2$$

$$F = \sqrt{(F - mg)^2 + (ma)^2} = V \sqrt{g^2(\dots - \dots_1)^2 + a^2 \dots_1^2}$$

2. (4 )

$$\frac{m^{\wedge 2}}{2} = mc(t - t_0) + rm = 1200 /$$

3. (8)

$x = \dots$ ,  $x \ll R$ .

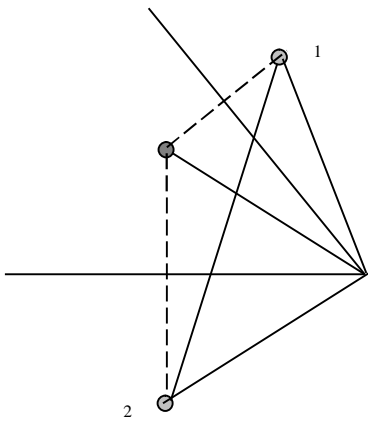
$$F = mg + F$$

$$F + F = mg + m g \quad F = m g \quad ( )$$

$$F = \dots gV = \dots g \frac{4}{3} \pi R^3 = 2mg = 2 \dots_c 4fR^2 xg$$

$$x = \frac{\dots R}{6 \dots_c} = 1,2$$

4. (8)



$60^\circ$  - 8

5. (10)

m

$m_0$ ,

$S$

$S_0$

$$\frac{m}{m_0} = \frac{S}{S_0} \Rightarrow S = S_0 \frac{m}{m_0}$$

$S_0$