

Phys 2110-4 2/10/12

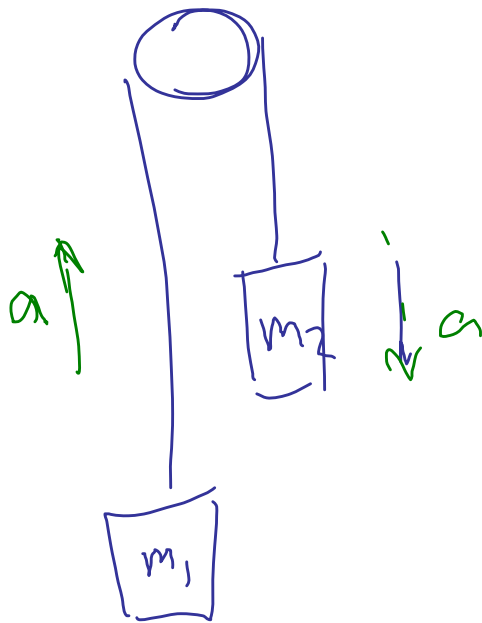
Note Title

2/10/2012

Forces

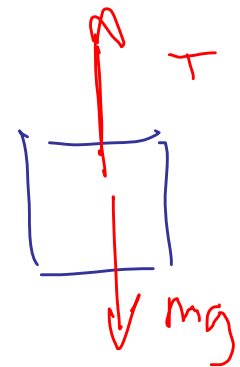
$$\vec{a} =$$

$$\frac{F_{\text{net}}}{m}$$



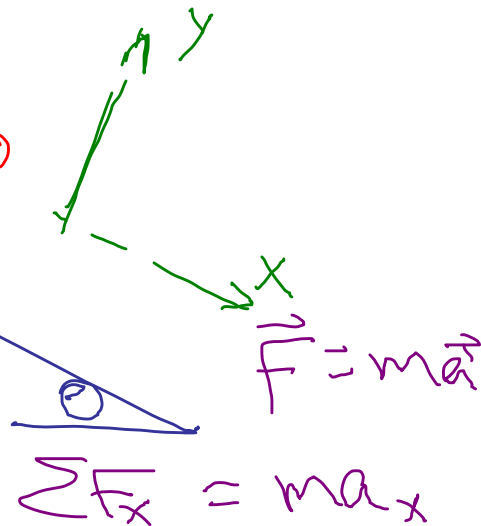
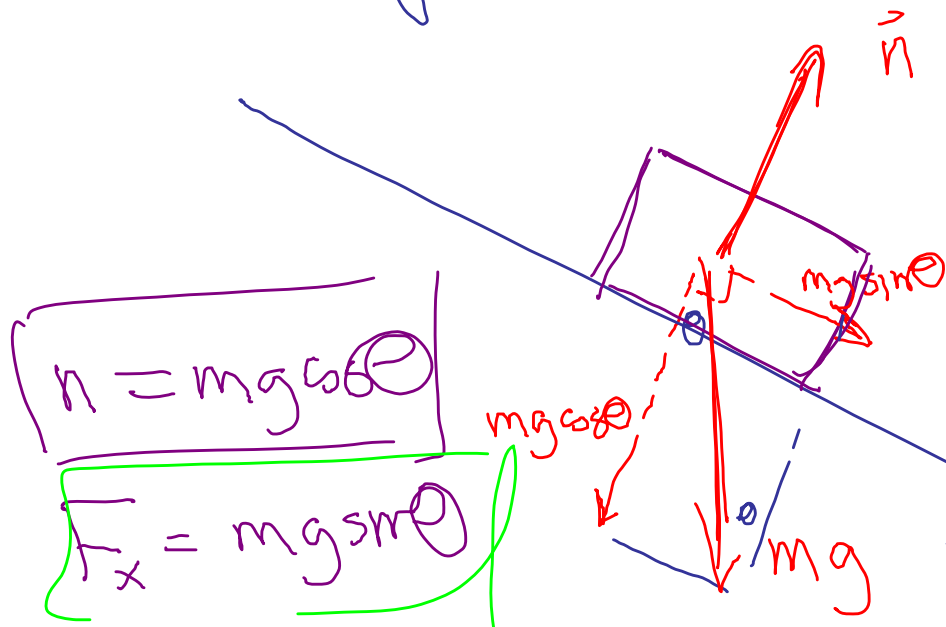
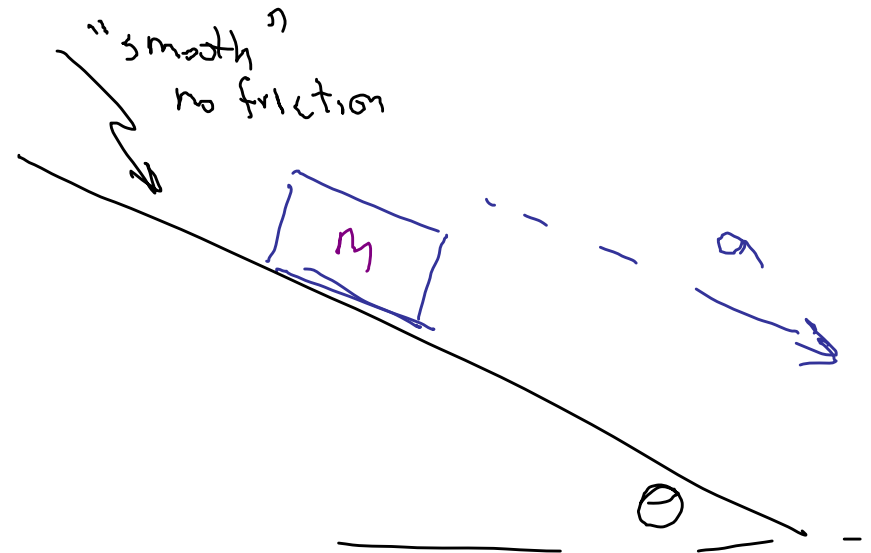
$$a = \frac{(m_2 - m_1)g}{(m_2 + m_1)}$$

DDP



Inclined plane

Find a down the slope.



Only x accel
 a_x not zero
 $F_{x \text{ net}} \neq 0$
 $F_x \text{ net} = 0$

$$F_x = m \sin \theta \Rightarrow m a_x$$

$$a_x = g \sin \theta$$

$$\theta = 0$$

