Phys 2110-4 2/15/13

Note Title 2/15/2013

Fmish Example

T = m, a

 $m_2 q - T = m_2 q$ 

Do algebra. Ald the egr

 $m_2 g = m_1 a + m_2 a$ 

office 3th Mills

t, a Ind a

$$\alpha = (m_1 + m_2)$$

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 $M_{2} = 0$   $M_{1} = 0$   $M_{1} = 0$   $M_{2} = 0$   $M_{2} = 0$   $M_{3} = 0$   $M_{4} = 0$   $M_{5} = 0$   $M_{1} = 0$   $M_{2} = 0$   $M_{3} = 0$   $M_{4} = 0$   $M_{5} = 0$   $M_{5$ 

 $T = m, \alpha =$  $(M^{\prime} + M^{\prime})$ Plug in. m2= 2 /2 Frictionless Inclined Plane

mg coo mg sino

 $Q_X = 0 sin0$ 

Fy's cancel: n=mgoso

Fx = mgsin0 = max

Moles Sease