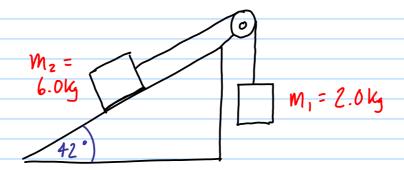
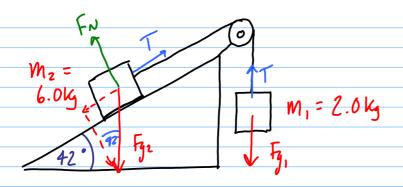
Quiz fa

Note Title 23/10/2011

Two blocks are attached by a pulley as shown. The coefficient of friction between the ramp and the block is 0.35. Determine the magnitude and direction of the acceleration of the block on the ramp.





$$= (6.0)(9.8) \sin 42 = 39.34 N$$

Winner!

$$a = \frac{\int_{3211} - \int_{31} - \int_{41}^{41} dt}{m_{+}}$$

$$= 39.34 - 19.6 - 15.29$$

$$= 0.56 \text{ m/s}^{2} \text{ down the ramp}$$

$$F_f = \mu F_N = \mu F_{J1} = \mu mg \cos 42$$

= (0.35)(6.0)(9.8) cos 42'