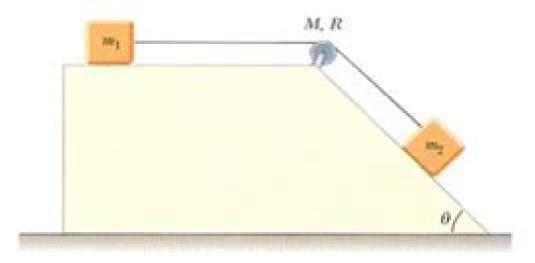
A block of mass $m_1 = 2.45$ kg and a block of mass $m_2 = 5.80$ kg are connected by a massless string over a pulley in the shape of a solid disk having radius R = 0.250 m and mass M = 10.0 kg. The fixed, wedge-shaped ramp makes an angle of $\theta = 30.0^{\circ}$ as shown in the figure. The coefficient of kinetic friction is 0.360 for both blocks.



(b) Determine the acceleration of the two blocks. (Enter the magnitude of the acceleration.)

r	Y	1/	S	2
1.0		7	-	

(c) Determine the tensions in the string on both sides of the pulley.

left of the pulley	1
right of the pulley	ě

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A Loxley

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