Homework problems
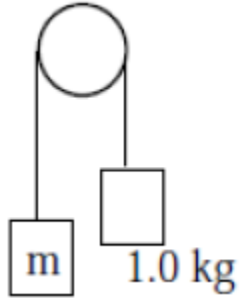
1. If m = 1.5 kg, what is the acceleration of the following system? (Assume the pulley is frictionless and the string's mass is negligible.) *a = 2 m/s²*

2. If M_1 = 5.0 kg and M_2 = 3.0 kg, what is the acceleration of the blocks? (Frictionless surface, massless cord.) *a = 3.7 m/s²*