P11 - 3.3 - Tension WS

At person pulls with a 80 Newton force on a 40 kg block attached by a string to a 30 kg block. What is the acceleration of the system? What is the tension on the 40 kg block and the tension on the 30 kg block? Ignore friction.

At person pulls with a 100 Newton force on a 40 kg block attached by a string to a 30 kg block with a frictional force of 35 N. What is the acceleration of the system? What is the tension on the 40 kg block and the tension on the 30 kg block?

At person pulls on with a 200 Newton force a 40 kg block attached by a string to a 30 kg block with a coefficient of friction of 0.2. What is the acceleration of the system? What is the tension on the 40 kg block and the tension on the 30 kg block?

P11 - 3.3 - Tension WS

At 50 kg and a 20 kg block are attached to a pulley. What is the acceleration of the system? What is the tension on the 50 kg block and what is the tension on the 20 kg block.

At 15 kg block is suspended in midair connected to a pulley and another 5 kg object on a horizontal surface. What is the acceleration of the system? What is the tension on the 15 kg block and what is the tension on the 5 kg block? Ignore friction.