Purpose: To study the MA, IMA, and efficiency of Pulleys.

Prediction: Make two predictions (not hypothesis) based on the type of machine (lever or pulley) and what the different efficiencies will be (what type of pulley/lever will have a high efficiency… low efficiency)

Procedure:
You will need to figure out your own procedure…

Requirements:
        You should do the following tests:
                Measure the force needed to hold three different weights in place.
                Measure the distance it takes to move a weight 'x' centimeters
        You need to do this for:
                Fixed (One Pulley attached at the top)
                Moveable (One Pulley attached to the mass)
                Block and Tackle I (One attached to mass, one attached to post)
                Block and Tackle II (One attached to mass, two attached to post)

Suggested tools and materials:
        Force probe   Pulleys
        Mass set   String
        Ring Stand   Posts
        ½ meter stick

Data Table

Machine: ????????	Force Probe (F_e)	Weight (F_r)	(You) d_e	(Mass) d_r	MA (F_r/F_e)	IMA (d_e/d_r)	Efficiency MA/IMA
Mass 1							
Mass 2							
Mass 3							

Notes:
While there will not be an error analysis, an efficiency of 100% is impossible.