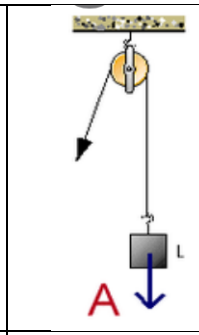
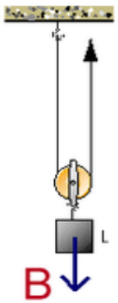
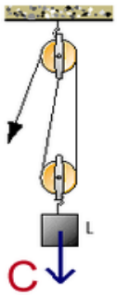
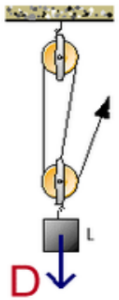
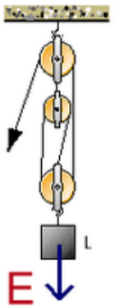
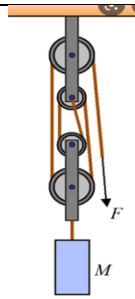
Name: _____ **Block:** _____

Pulley Systems Lab Activity

Pulley system						
Number of support cords						
F_L = load force (weight of hanging mass = mg)						
F_E = effort force (pulling force – read from spring scale)						
d_L = load distance (distance the hanging mass moves)						
d_E = pulling force distance						
Mechanical advantage $MA = F_L/F_E$						
Work done on load (work out) $W_{out} = F_L \times d_L$						
Work done by effort (work in) $W_{in} = F_E \times d_E$						
Efficiency $= (W_{out} \div W_{in}) \times 100\%$						