Team Number: _____

Members: _____
_____
_____
_____

Objective:

The goal of this lab is to construct a Rube Goldberg device capable of transporting a bouncy ball to the next machine while raising it above the height it entered the machine.

Machine Constraints:

- Base: 30" x 48" maximum
- Height: 60" maximum
- Entry Zone
  - Exactly 12"x12" square
  - Two edges of the zone must be on edges of your machine (must be at a corner)
  - At least 20" clear above it
  - Exactly 24" above the ground

Grading:

			Points
Number of Energy Transfers:		x 18	
			Maximum 90 Points
Number of inches exit is above entrance:		x 0.5	
			Maximum 10 Points
Ball is transferred to next machine:			
Total:			

Note: The 20" are measured from the height at which the ball first contacts your machine to the height at which it last touches your machine.