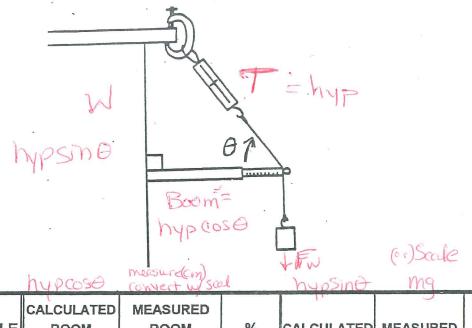
Purpose: Procedure: Name_

Procedure: RESOLUTION OF A FORCE



TRIAL	CABLE TENSION (N)	 CALCULATED BOOM TENSION (N)	MEASURED BOOM TENSION (N)	CALCULATED WEIGHT (N)	3	% ERROR
1		-	·			
2				2		
3	il e					

Sample Calculations:

ERROR = MEASURED - CALCULATED
MEASURED

X 100%

QUESTIONS:

- 1. FOR WHAT ANGLE WOULD THE CABLE TENSION BE EQUAL TO THE LOAD?
- 2. IF THE ANGLE Θ IS MADE SMALLER (FOR A FIXED LOAD), WHAT WOULD HAPPEN TO THE CABLE TENSION?

CONCLUSION: DISCUSS RESULTS (ERRORS), MAKE 2
OBSERVATIONS ABOUT DATA AND/OR USEFULNESS OF LAB