

## *Report Sheet*

### **Static Equilibrium**

#### *Case 1: Traffic Light*

Weight of hanging object: \_\_\_\_\_

Angle 1: \_\_\_\_\_

Angle 2: \_\_\_\_\_

Measured Tension 1: \_\_\_\_\_

Measured Tension 2: \_\_\_\_\_

Equations and Calculations

Comment and comparison of results

*Case 2: Painters on a Scaffold*

Weight of object 1: \_\_\_\_\_

Weight of object 2: \_\_\_\_\_

Weight of stick: \_\_\_\_\_

Location of string 1: \_\_\_\_\_

Location of object 1: \_\_\_\_\_

Center of mass of stick: \_\_\_\_\_

Location of object 2: \_\_\_\_\_

Location of string 2: \_\_\_\_\_

Measured Tension 1: \_\_\_\_\_

Measured Tension 2: \_\_\_\_\_

Equations and Calculations

Comment and comparison of results

### *Case 3: The Angled Boom*

Weight of hanging object: \_\_\_\_\_

Location of hanging object: \_\_\_\_\_

Angle of the boom: \_\_\_\_\_

Weight of the stick: \_\_\_\_\_

Center of mass of the stick: \_\_\_\_\_

Location of string: \_\_\_\_\_

Measured Tension: \_\_\_\_\_

Equations and Calculations

Comment and comparison of results