* **Name:**
* **Date:**
* **SBA:**
* **Topic:** Measurements and Units
* **Title: Area**
* **Aim:** To determine the area of an irregularly shaped object
* **Equation(s):**  
  Area of a square on graph = length (m) × width (m) = m 2  
    
  Area of an irregularly shaped object  
   = Area of one square from graph × amount of squares covered by irregularly shaped object  
   = \_\_\_\_\_\_\_\_\_\_\_\_m 2**Conversion factors  
  a.** 1 m = 100 cm **b.** 1 m2 = 10, 000 cm2
* **Apparatus/Materials:** graph paper, irregularly shaped object, pencil
* **Method:**1. Obtain an irregularly shaped object  
  2. Using graph paper trace the shape of the object onto it.  
  3. Calculate the area of the irregularly shaped object.  
  4. Record all observations and tabulate all data.
* **Observations:**Describe what you saw here.
* **Diagram: (See drawing traced on graph paper on page \_\_\_\_\_.)**
* **Calculations:**1 cm = 10-2 m  
    
  1. Area of one square on graph =   
    
  2. Area of irregular shaped object =
* **Data and Results:  
    
  1. What was the area of your irregularly shaped object?**
* **Discussion:  
  Paragraph 1**1. Define area.  
    
  **Paragraph 2**1. Why was the area of the irregularly shaped object found in this way?  
  2. What were the units of the area of your irregularly shaped object?  
  3. Why were these units used?
* **Precautions: (Did you wear your goggles or a lab coat or some gloves. What did you do to protect yourself.)**
* **Reflection: (How does this lab apply to everyday life)**
* **Conclusion: (What did you conclude?)  
  In conclusion….**