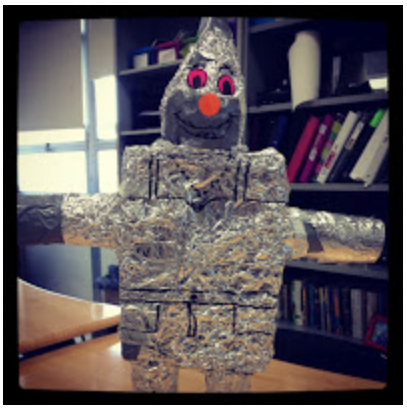
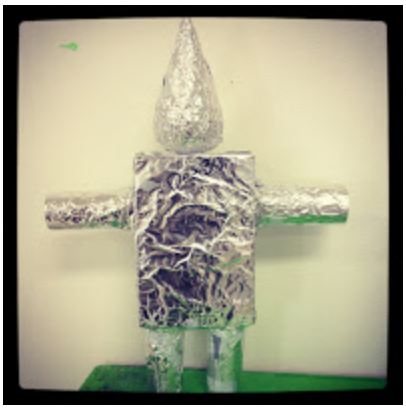
I. Three-Dimensional Geometry Project
Tin maN!!! Or Tin Nam...





Information: You going to create a tin man using a box, toilet paper rolls, paper towel rolls, balls, party hats, and other household objects.

Instructions:

1. For this project, you may work alone or in groups of two or three.

2. Put together your "tin man" with your household items. You must have a body, two arms, two legs, a head, and a hat. **Do not cover your tin man with foil.**

3. Measure the necessary dimensions of your tin man: base, height, length width, radius, diameter, circumference, etc.

4. Calculate the surface area of your tin man. When necessary, use $\pi = 3.14$. You may use your own sheet to perform your calculations, or you may use the Tin Man Project Worksheet.

5. Bring your tin man to class by **Thursday, June 12.**

6. In class, you will be given an amount of aluminum foil that matches your calculated surface area.

7. Use the tin foil to cover your tin man (in class, not at home).

8. You will be graded on the quality of your work, including showing the formulas used. You will also be graded on the accuracy of your calculations, which will be indicated by your ability to cover your tin man.

9. You will not need to type a report for this project. You tin man and all work are due on **Friday, June 13.**