

Name \_\_\_\_\_

Due Date \_\_\_\_\_

Date \_\_\_\_\_

### Surface Area Project

**Objective: 2.02 Solve problems involving surface area and volume of prisms and cylinders and composite shapes.**

1. Draw a robot that uses prisms and cylinders. It must contain at least two of each of these:
  - a. rectangular prisms
  - b. cylindersMeasure each shape using centimeters. (Rulers!) Label the edges with the measurements.
2. Beside each prism/cylinder, show the formula for calculating the surface area, substitution of the measurements, and the final surface area of the prism/cylinder.
3. Once all pieces have been calculated, find the total surface area of your robot. (Hint: add all the surface areas together) Make a column of all the surface areas with the total surface area boxed or highlighted.
4. Color your robot and make it your own. However, do not hide or cover your measurements.
5. Place your name and date in the upper right hand corner of your paper.

### Rubric for Grading

1. Two of each of the required shapes (10 points)
2. All sides and radii labeled with measurements (20 points)
3. Math show beside each prism/cylinder (30 points)
4. Total surface area of your robot (20 points)
5. Neatly colored and details added to robot (10 points)
6. Name and date in upper right and corner of paper (10 points)