OBJECTIVE:
   Students will use the Pictometry Online program to find and measure geometric shapes in buildings they see everyday.

STANDARD:
   M6.C.1. Analyze characteristics and properties of two and three dimensional geometric shapes and demonstrate understanding of geometric relationships.

METHODS:
   Introduce equations to find the area of geometric shapes.
   Demonstrate how to use the Distance Tool on the Pictometry Online program.
   Hand out worksheets and login information for the lesson.
   Monitor students as they complete the activity.
   Collect worksheets and discuss activity.
   Pass out “Exit Slips.” (1 or 2 questions about the formula for area)

MATERIALS NEEDED:
   If students are working in pairs, each pair needs access to a computer with the internet. If each student is working alone, then every student needs a computer with the internet. Also, the students need the Pictometry Online Worksheet to complete.

ASSESSMENT:
   The students will be assessed on the completion of the Pictometry Online Worksheet and “Exit Slips.”
Go to https://pol.pictometry.com Login using the information your teacher provided.

1. Look at the science center. Find the large square on the roof.
   Using the distance tool, what is the length of the square? ________________
   Using the distance tool, what is the width of the square? ________________
   Using the equation for area, find the area of the square. Show your work!

2. Now find the “E-motion” cone on the roof of the Science Center.
   Using the distance tool, what is the diameter of the circle? ________________
   Using the equation for area, find the area of the circle. Show your work!

3. Now find the parallelogram that makes up the solar panel on the side of the building.
   Using the distance tool, what is the base of the parallelogram? ________________
   Using the distance tool, what is the height of the parallelogram? ________________
   Using the equation for area, find the area of the parallelogram. Show your work!