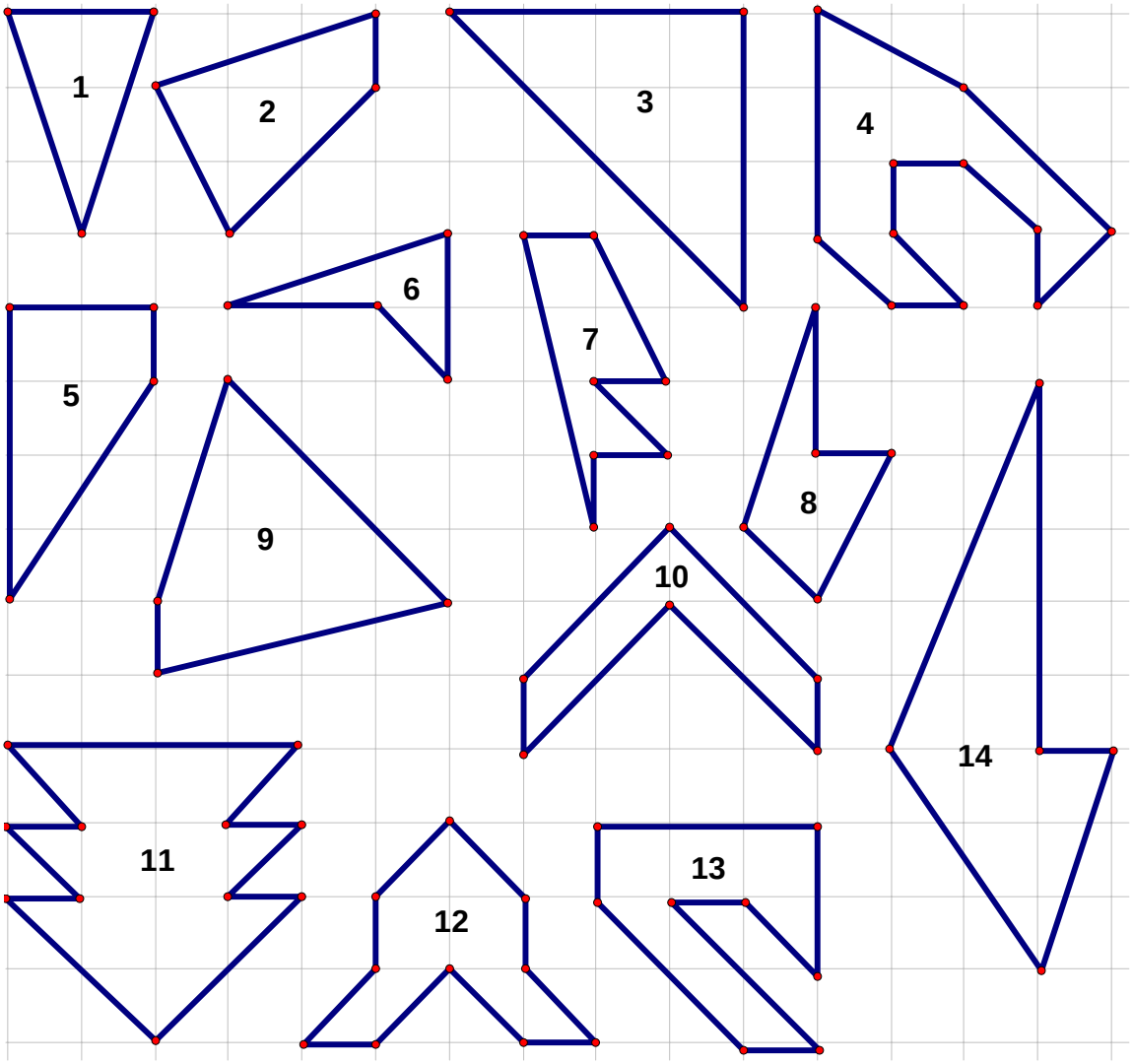
Pre 8.0 Irregular area

I. Find the areas of the following figures.



1)_____2) _____3)_____4)_____5)_____6) _____7)_____

8) _____ 9)_____10)_____11)_____12) _____13)_____14) _____

What strategies did you use to help find the areas?

II Estimate the area of the palm of your hand.

- Trace your hand on graph paper. Begin and end with the wrist bones. Show all work.

- Color in the squares that lie entirely inside the outline of your hand. Count the squares. The area of the squares inside your hand form a lower approximation._____

- Using another color, fill in the squares that lie along the outline of your hand. Count these squares. The area of all of the squares form an upper approximation. _____

- How can you use these two approximations to estimate the surface area of the palm of your hand?

  Estimated surface area _____

- Try another method to check your estimation.
  Describe your method.

  Estimated surface area _____

III. Create a box plot for surface areas of palms of hands in your class. (optional)

- Use a calculator. Enter the surface areas into a list. Then plot the data on a box plot.
- Draw the plot on the graph paper below your hand.
- Label the quartiles and place a dot on the box plot labeled "me."
- Find the following data.
  Maximum_____ Minimum_____ Median_____

  Upper Quartile _____ Lower Quartile _____

  Mode _____ Mean _____