Scaled Drawing of your Ancient Egyptian City

Directions:

1. Draw a detailed blueprint of your Ancient Egyptian City on the graph paper provided using the information below. Label each part of your city and label the lengths in inches.
2. At the bottom right corner of your graph paper, list the **Actual** AREA, VOLUME, and SURFACE AREA for each of your three structures.
3. You will need TWO views: A Normal (eye-level) view and the bases of your structures.

4 squares = 1 inch

Therefore, each square = 1/4 of an inch or 0.25 inches

1 inches = 1.5 inches

Therefore, 4 squares also equal 6 inches

Example: If you need a base that is 1 foot long for your city, you would draw a horizontal line that is 8 inches long.

- For vertical or horizontal lines: Count squares
- For diagonals: Use a ruler and count inches
- For circles: measure the radius by counting squares, then convert to inches

Example of Dimension Table:

Structure	Actual Dimensions	Area	Volume	Surface Area
Giza Pyramid	Height - 18 in. width - 12 in. length- 12 in.	A = 144 in.	V= 2,592 in.	SA = 576 in.