Homework 1

This is a team assignment! Your team should not include more than 3 team members. Any obvious copying of code and/or likeness to other students' work will be penalized with zero points for all affected parties.

Submit all created or modified files – source, libraries, data and outputs printed and stored (all of the above files plus the exe file) on my pen drive in advance. Please, keep the deadline. Make separate directories for basic drawings and those demonstrating your creativity.

Then, the assignment must be demoed to me to get the final grade. This will be done soon after the due date.

Problem 1:   (Max number of points is 50)

Make a drawing which includes:
   a) At least 2 geometric figures filled with solid colors;
   b) At least 2 more filled with more than one color (color interpolation).
   c) At least 3 more filled with given masks.

For the basic drawing above – **max 25 points.**

<u>**For creativity**</u> – it might include geometric figure filled with your own mask or menu which implements different options - **max 25 points.**

Problem 2:   (Max number of points is 50)

Draw a village of houses utilizing at least the following GL primities (triangles, triangle fans, line strip, masks). Incorporate stippling and masks as a way to model the façade of the houses and/or chimneys, windows, etc. Use colors and, in general, be creative as far as shapes, colors (background, foreground, filling) and utilize relative drawing (discussed in class) - **max 25 points.**

Grading:

For basic drawing defined above - **25 points**. It depends on the number and variety of primitives you are using, colors etc.

<u>**For creativity**</u> which is defined as utilization of drawing primitives, complexity of the houses and the scenery and utilization of stippling and masks, functional complexity etc. - **max 25 points.**

NOTE: max total number of points for Hw1 is 100.