

Garden Variety Geometry

Home Improvement Plan Rubric

Assignment 1: Brainstorming

Think about a home improvement project that you would like to do. Bring ideas, measurements, and drawings to class.

Assignment 2: First Draft of Home Improvement Plan (25 points)

Write a clear and concise description about 3 or more physical changes you will make with attention to details. Be sure to include in your plans at least 4 types of materials you will use, where you would buy the materials, at least 4 tools or pieces of equipment you will need for your project and an estimate of the length of time it will take to complete. This does not have to be typed if it is legible.

Make a preliminary drawing on graph paper that includes exact measurements of the space you will be remodeling. You may use a CAD program if one is available. Be sure to include a title, labels that identify parts of your diagram, and a project key, and an explanation of color and/or symbols that are used to clarify your plans. Neatness and appearance are important.

Please use the First Capital Description Scale Drawing Evaluation Form as a guide for the requirements of your project. You may add a paragraph that focuses on a part of the project that you would like help with and/or clarification of any part of the Home Improvement Plan and Scale Drawing. Any plan or drawing that receives "Above Average" scores in all areas can be submitted immediately for a grade.

Assignment 3: Peer Review

The class will meet in small groups to evaluate the first drafts. Each student will be responsible for giving feedback, which includes giving suggestions as to how individuals might improve their work.

Assignment 4: Final Draft of Home Improvement Plan and Scale Drawing (60 points)

The final copy of the Description of the Home Improvement Plan should include all necessary information needed to complete your project, either in typed or word processed format. (20 points)

The final scale drawing must be on graph paper that is 8.5 by 11 inches or two times 8.5 by 11 inches. Neatness and overall appearance are important. You may draw in pencil. Then, go over finished lines and information with black ink or black marker. Make sure final drawing is legible. You may use a CAD program if one is available (40 points).

Please use the Final Draft of Description and Scale drawing Evaluation Form as a guide for the exact number of points you may earn for your project. You may add a paragraph commenting on any part of the Home Improvement Plan and Scale Drawing that might need clarification. The Description of Home Improvement Plan and/or Scale Drawing may be redone once for a higher score.

Assignment 5: First Draft of Materials List and Computation Worksheet

Print neatly, using black ink or word processor.

Make a list describing materials used, priced per unit, and suppliers.

On a separate sheet, show computation and use of formulas for the amounts needed, and cost of each type of material desired. Include specific information about size, length, width and height, as well as, cost.

For extra credit, you may include a comparison of prices from different suppliers using advertisements when possible. You may also earn extra credit for including information about the cost of labor and/or use of contractors.

Please use the First Draft Materials and Computation Worksheet Evaluation Form as a guide for the requirements. Any Materials List or Computation Worksheet that receives "Above Average" scores in all areas can be submitted immediately for a grade.

Assignment 6: Final Draft of Materials List and Computation Worksheet (40 points)

Print neatly using black ink or word processor.

The Final Draft of Materials List should include final costs, as well as a description of the materials used, priced per unit, and suppliers.

The Final Draft of the Computation Worksheet should show computation and use of formulas for the amounts used and cost of each type of material desired. Specific information about size, length, width and height should be included.

For extra credit (5 points) you may include a comparison of prices from different suppliers using advertisements when possible. You may also earn extra credit (5 points) for including information about the cost of labor and/or use of contractors.

Please use the Final Draft of Materials List and Computation Worksheet Evaluation Form as a guide for the exact number of points you may earn. You may add a paragraph commenting on any part of the Materials List and/or Computation Worksheet that might need clarification. The Materials List and Computation Worksheet may be redone once for a higher score.