

Dream House Floor Plan

Name _____

Purpose: To use area formulas in defining size of floor coverings for various sizes and shapes of rooms.

Materials: graph paper, pencils, colored pencils, straightedge, ULTRA fine point permanent marker

1. Design your “dream house” imagining that you have unlimited funds.
2. Using a ruler and on **graph paper**, draw the house showing walls, doorways, stairs, etc. Drawing furniture is optional. Label rooms.
3. On a separate sheet of **notebook paper, or typed on a computer**, list the main rooms (not hallways or closets). Write what floor covering you would put in each room and the dimensions and area for that room. **Follow example given on the back of this sheet.**
4. The floor plan must be logical – you must have the necessities: kitchen, bathrooms, closets, etc. Only make 2 floors maximum. You may have a basement OR roof in addition to the 2 floors. To get an A, you must have 2 floors and draw the detail (furniture).
5. You will be given 1 class period, plus some partial class periods to work on this project. After that it will be finished at home.
6. Required - you must have at least one room of each of these shapes: **triangle, circle, trapezoid, and a square**. The others may be rectangles. You do not have to get the area of closets, or hallways, garage, pools—only main rooms (bedrooms, kitchen, dining, living etc.), UNLESS these rooms are your triangle, circle, trapezoid, square. You MAY have a basement OR a rooftop area—not both.

Extra Credit: Draw the front or rear view of the house.

Date assigned: _____

Day to work in class: _____

Date Due: _____ Late projects will be 10 points off per day, if you are absent your project is still due on that day. Someone must bring it in.

No work is to be done on a computer, except the dimension sheet, or by anyone other than you.

This project is worth 2 test grades.

Example of Dimension Sheet

Follow this example for the main rooms, not hallways, bathrooms, or closets unless one of these is your circle, triangle, or square. This should be done on notebook paper, or typed, not on graph paper.

Remember this is largest part of your grade.

The measurements are multiplied by 2 for the scale of 1 square: 2 feet

Game Room – navy blue carpet, 22 x 25 x 2 feet, 1100 ft²

Kitchen – hardwood flooring, 15 x 20 x 2 feet, 600 ft²

Dream House Ideas

Use this sheet to write down any ideas for your project. If you could build a house and put in it anything (**with logical reason**) you wanted, what would you include?

How would the outside look?

Draw a rough sketch of one floor. You will be drawing a floor plan. Check out the examples on the bulletin board.

Dream House Project

Grading Sheet

Measurements of Area/40	_____
Design/Effort/20	_____
Neatness/10	_____
Colored/5	_____
Labeling/5	_____
Creativity/20	_____
Extra Credit	_____
Total Score	_____