

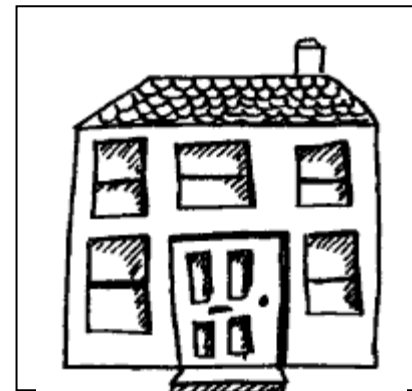
HOME MAKEOVER! GEOMETRY EDITION

Congratulations!! You and your business partner have won the contest to create your own dream home. Now you must design it. In this project you will be creating a poster sized drawing of your dream home (two dimensional). For extra points you may also create a digital version online. This dream home will include everything and anything you desire. It will also include some of the geometrical shapes we have been studying. You will be the architect and the construction manager of this project. You and your partner will then decide on flooring and cost for each room and the house as a whole.

PART I: FLOOR PLAN DRAWING/ POSTER

The first phase of your project will be to create a plan drawing of one floor of your home. It must include distances and measurements and must also include at least one of each of these types of shapes:

- Square
- Rectangle
- Triangle
- Circle (at least a portion of a circle, for example a semi circle)



Your drawing must have these elements:

- ◆ Each of your rooms must be clearly labeled (what type of room is it and what type of shape it is) and neatly drawn.
 - Rooms Required (At least):
 - 2 bedrooms
 - 2 bathrooms
 - 1 kitchen
 - 1 garage
 - 1 living room
- ◆ Your picture must be large and on poster size paper.
- ◆ You must use color and make this dream home appealing.
- ◆ **You will use the scale for your drawing so that your drawing is realistic and life-like (1 inch = 5 foot).**
- ◆ Be CREATIVE! Have fun with the design and make it very imaginative.
- ◆ **USE FLOORPLANNER.COM to try out designs!**

PART 2: AREA CALCULATIONS

The second half of your project is to outfit your dream home. Your dream home must have some type of flooring. You must choose at least 2 different types of flooring, to use in your home. In order to determine how much flooring you will need you must calculate the area of each room and decide which type of flooring you will use for each room.

You will need to produce clear calculations for the area of each room. Then using these areas and the prices for flooring listed below, choose your type of flooring and calculate how much it will cost.

Carpet	\$2 per square foot
Linoleum	\$1 per square foot
Ceramic Tile	\$3 per square foot
Hardwood flooring	\$5 per square foot

PART 3: TOTAL AREA AND COST

Your business team needs to figure out the total area of your dream house. You will also need to figure out the total cost for the type of flooring.

DEADLINE:

- This is due _____
- Everyday it is late: 10pts (no exceptions!)
- You will be given at least two full class days to work on this project in class.

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GUIDING QUESTIONS: Here are some questions that will help your business team: team work (ability to work with others), cooperation (group working with others?), creativity (Is this done well and neatly?) visual (grabbing the attention of audience?), accuracy (going in the right direction?), evidence (obvious steps?)

Team Members:	MAX points	Team Received	Comments
PART 1: FLOOR PLAN DRAWING/ POSTER -Neat, Scale, Color, all elements and rooms	+25		
PART 2: AREA CALCULATIONS -Each room calculated with area, flooring and price	+25		
PART 4: TOTAL AREA AND COST -Total area in square footage. -Total price for each type of flooring	+15		
NEATNESS AND CREATIVITY	+10		
PRESENTATION	+10		
Late (-10 a day)	-10		
TOTAL	75		
EXTRA CREDIT: Online Design (+10)			

Grading Scale

A	67.5-75 Excellent team work. Definitely go into business together. The next Google company?
B	60-67.4 Good team work. Possible future business together?
C	52.5-59.9 Average team work. I would not recommend going into business together. You guys would go bankrupt.
D	45-52.4 Below average team work. Next time, I would find another partner.
F	< 45 No team work. Run away! (and not for bad breathe I hope).

Group Grade:

