

name: \_\_\_\_\_

#: \_\_\_\_\_



## MI CASA ES TU CASA

Dear Student:

Congratulations! You have just been given a beautiful (but empty and unfinished) house.

You must roof it, put on siding, put in floor coverings. Then with any extra money you may choose items from advertising flyers to furnish your house.

Your math assignment must include the following parts:

1. A **3D model** of your house
2. A **Building Plan**. This is a drawing of your 3D model house with measurements clearly labeled. Your model will have a scale of 1:100. Each centimeter on your model and plans will represent 1 meter.
3. **Calculations**, correct and neatly organized. Each item bought for the house must have a real-life advertisement to match, pasted on your calculations page.
4. Work within a budget. My total cost for my house will be: \$ \_\_\_\_\_.

**Due Dates:** All calculations showing a complete list of how your budget will be used: \_\_\_\_\_

**Math Assignment** (for 3D model, Calculations and Building Plan) **final due date:** \_\_\_\_\_

Rubric:

	4	3	2
Calculations <i>Shows Higher Order Thinking</i>	Within 1¢ of budget -effective, professional organization "Wow!"	Within \$1.00 of budget - problem solving "You got it!"	Within \$10.00 of budget -shows building materials and furniture totals  "it's a start."
Calculations <i>Shows ability to use Math concepts</i>	Completely error free	Shows understanding of surface area of triangles, rectangles. - mathematically represents and organizes information	Some errors but shows understanding of - area - surface area, and/or -measurement
Building Plan and 3D model	accurately represents and measures 3 complex 3D solids in models and drawings.	-accurate measurements on all drawings -3D drawing of model	Drawing and model look similar. Most parts handed in
Work Habits	-always responsible and independent -completes own work, then may help others -This page handed in with project	-Completes work on time and with care -responsible when working independently -This page handed in with project	-usually respects work by storing with name on -sometimes needs support to work -This page handed in

I have seen my son's/daughter's Math Project assignment, \_\_\_\_\_  
parent signature                      date (by Tues May 3, pls)

# Welcome to the STORM building Supply Centre:

We estimate your house will cost

- \$10 000 roofing
- \$ 5000 siding
- \$ 3000 flooring
- ~ \$12000 furniture, etc.
- \$30000



## Roofing

Please choose from the following:

Tar paper roofing \$25.00 / m <sup>2</sup>	Asphalt shingles \$35.50 / m <sup>2</sup>	Cedar Shingles \$38.00 / m <sup>2</sup>	Wavy ceramic pantiles \$42.75 / m <sup>2</sup>

## Siding

Vinyl Siding \$24.50 / m <sup>2</sup>	Brick \$23.00 / m <sup>2</sup>	Stucco \$20.00 / m <sup>2</sup>

## Flooring

Select a style all your own. View brands and [visit your local store](#) to turn your makeover dream into reality. It's time to shop!



Hardwood \$14.95   
 Carpet \$6.50   
 Laminate \$8.75   
 Ceramic \$14   
 Vinyl \$7   
 Area Rugs \$11

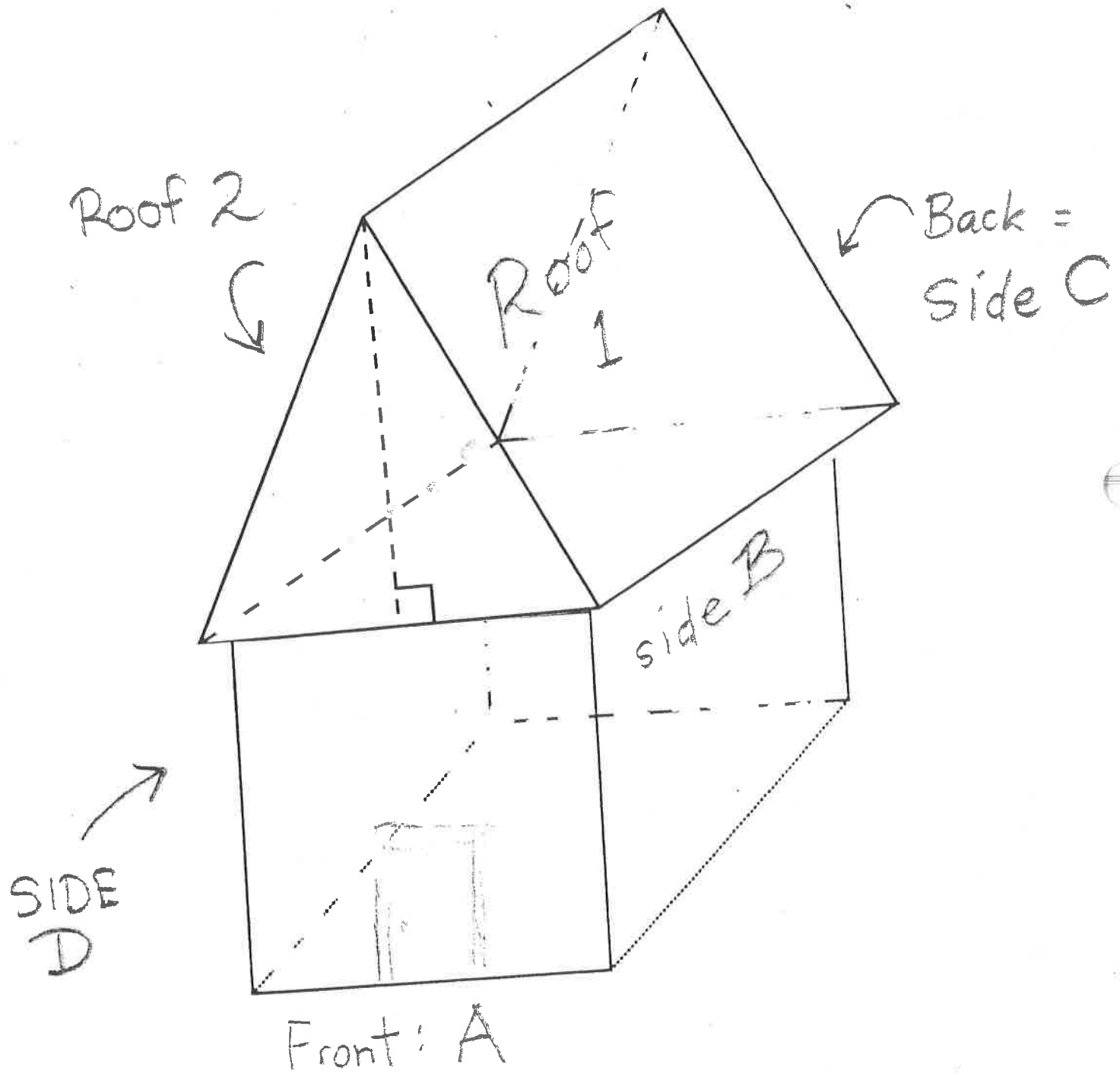
Floor coverings in cost per m<sup>2</sup>

Get informed about your flooring choices. Check out our Expert Advice Guides for [Hardwood](#), [Carpet](#), [Laminate](#), [Ceramic](#), [Vinyl](#) and [Area Rugs](#) to help you choose which floor is the best floor for you.

**Dark Brown Chair**  
1405-C  
**Save \$80!**

**Door Crasher**  
**69<sup>97</sup>**

**Sofa Table \$99.95**



**Mi Casa es tu casa project calculations**

**Gable is SIDING material**

**Roofing:**

Roofing material chosen: \_\_\_\_\_

Roof 1 surface: area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Roof 2 surface: area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Total all roof area \_\_\_\_\_ X cost \$ \_\_\_\_\_ =  
 \$ \_\_\_\_\_



**Siding:**

Siding material chosen: \_\_\_\_\_

Side A area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Side B area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Side C area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Side D area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Total all side areas \_\_\_\_\_ X cost \$ \_\_\_\_\_  
 = \$ \_\_\_\_\_

side A triangle: area = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_

side C triangle: area = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_

**Flooring**

Flooring material chosen: \_\_\_\_\_

area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Total all floor area \_\_\_\_\_ X cost \$ \_\_\_\_\_  
 = \$ \_\_\_\_\_

Total all roofing:	\$ _____
Total all siding	\$ _____
Total all flooring	\$ _____
grand total all building materials	\$ _____
total all furniture	\$ _____
Budget amount	\$ _____
Difference	_____

**Mi Casa es tu casa project calculations**

**Roofing:**

Roofing material chosen: \_\_\_\_\_

Roof 1 surface: area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Roof 2 surface: area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Total all roof area \_\_\_\_\_ X cost \$ \_\_\_\_\_ =  
 \$ \_\_\_\_\_

**Siding:**

Siding material chosen: \_\_\_\_\_

Side A area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Side B area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Side C area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Side D area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Total all side areas \_\_\_\_\_ X cost \$ \_\_\_\_\_  
 = \$ \_\_\_\_\_

**Flooring**

Flooring material chosen: \_\_\_\_\_

area = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_ X \_\_\_\_\_  
 = \_\_\_\_\_

Total all floor area \_\_\_\_\_ X cost \$ \_\_\_\_\_  
 = \$ \_\_\_\_\_

**Gable is ROOFING material**

Roof 1 triangle: area = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_

Roof 2 triangle: area = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_ X \_\_\_\_\_ ÷ 2  
 = \_\_\_\_\_



Total all roofing:	\$ _____
Total all siding	\$ _____
Total all flooring	\$ _____
<b>grand total all building materials</b>	<b>\$ _____</b>
<b>total all furniture</b>	<b>\$ _____</b>
<b>Budget amount</b>	<b>\$ _____</b>
<b>Difference</b>	_____