

*cylindrical turret!*



# 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. *Go to "the Storm Store", over, for building supplies*

Your math assignment must include the following parts:

1. A 3D model of your house that must include a *cylinder*
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: \$\_\_\_\_\_ *Varies from \$15,000 to \$75,000*

**Due Dates:** All calculations showing a complete list of how your budget will be used: Wed May 4  
**Math Assignment** (for 3D model, Calculations and Building Plan) **final due date:** Wed May 11, 2016

**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 circles, 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 4 complex 3D solids in models and drawings. <i>creativity eg: replica famous building</i>	-3D model includes prisms & cylinders -accurate measurements on all drawings -3D drawing of model includes Area formula for prisms & cylinders	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, \_\_\_\_\_ date \_\_\_\_\_  
 parent signature

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

## Siding

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



<u>Hardwood</u>	<u>Carpet</u>	<u>Laminate</u>	<u>Ceramic</u>	<u>Vinyl</u>	<u>Area Rugs</u>
\$14.95	\$6.50	\$8.75	\$14	\$7	\$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**

examples of flyer advertisements →

# Division 9. Math House Budgets

2016.

Ethan: \$30,000

Emily: \$30,000

Jocelyn: \$15,000

Alexa: \$20,000

Alex: ~~\$30,000~~ \$75,000

Sela: ~~\$15,000~~ \$20,000

Nate: ~~\$25,000~~ \$40,000

Jocie: \$25,000

Finn: ~~\$35,000~~ \$20,000

Bri: \$40,000

Henry: \$35,000

Gabbi: \$25,000

Brandon: \$35,000

Zoe: \$35,000

Seb: ~~\$25,000~~ 50,000

Natalie: ~~\$30,000~~ \$35,000

Claire: ~~\$35,000~~ \$50,000

Zofia: ~~\$45,000~~ \$30,000

Paige: \$30,000

Tate: \$20,000

Seoyoon: \$40,000

Alexandra: 30,000

Annika: 30,000

Kayla: 20,000

Sophie:

Sydney:

Andrea:

