Geometry B Live Lesson Class

U5L1 – Areas of Parallelograms and Triangles

(Ch 10-1 in textbook)

Agenda

1. Review topics and problems from Unit 5, Lesson 1 – Areas of Parallelograms.

2. Use the 2-column note system to take better notes in math class. Bring your math notebook and pen or pencil to each math LiveLesson class.

2-Column Notes Template

1. Announcements/To Do's	1. Write down important details.
2. School-Wide Learner Outcomes	2. What are you going to work on this week?
3. LL Objectives	
4. Vocabulary words	4. Definitions (fill in as we go)
5. Problems	5. Steps to solving problems
6. Summary (End of class)	6. 1 or 2 sentences about the LL class.

Reminders and To – Do's

Information	What to do
1. Complete 1 math lesson per day.	1. Go to your Planner in Connexus to find the math lesson for the day
2. Check your WebMail every day	2. Go to Connexus to find WebMail
3. Be prepared to spend 4 - 6 hours per day on schoolwork.	3. Complete lessons for the day from your Planner. Do not get behind on lessons.
4. Remind your Learning Coach to take daily attendance	4. Have your Learning Coach log into Connexus daily.

Reminders and To – Do's

Information	What to do
5. Go to the Message Board first for information about our math class.	
6. Contact Mr. Elizondo for math questions. Remember: You need at least 2 phone calls with Mr. Elizondo per semester.	6. Call (559) 549 - 3244 and leave a voicemail if call is not answered. Make an appointment at: https://elizondo.youcanbook.me Send a WebMail

U5L1 – California Common Core State Standards

- HSN-Q.A.2: Define appropriate quantities for the purpose of descriptive modeling.
- HSG-MG.A.1: Use geometric shapes, their measures, and their properties to describe objects (e.g., modeling a tree trunk or a human torso as a cylinder).

U5L1 – Objectives

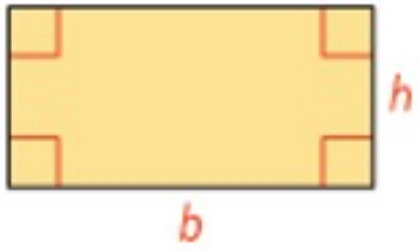
Find the areas of:
-parallelograms
-triangles

U5L1 – Vocabulary Words

- altitude of a parallelogram
- base of a parallelogram
- base of a triangle
- height of a parallelogram
- height of a triangle

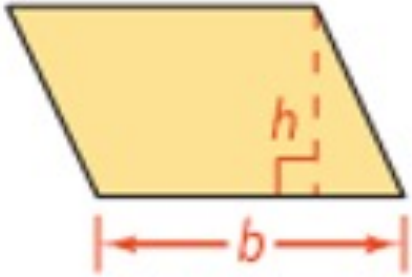
U5L1 – Area of a Parallelogram

Area of Rectangle



$$A = b \cdot h$$

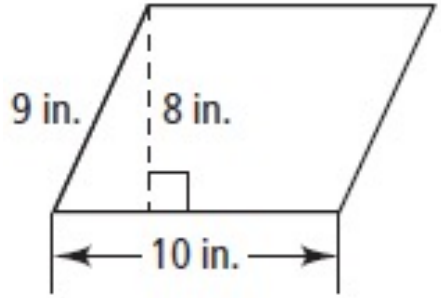
Area of Parallelogram



$$A = b \cdot h$$

U5L1 – Area of a Parallelogram

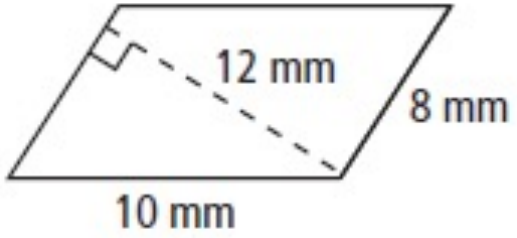
Find the area of the parallelogram.



$A = b \cdot h$

$A = 10\ in \cdot 8\ in$

$\boldsymbol{A = 80\ in^2}$



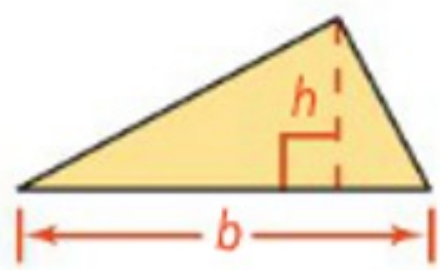
$A = b \cdot h$

$A = 10\ mm \cdot 12\ mm$

$\boldsymbol{A = 120\ mm^2}$

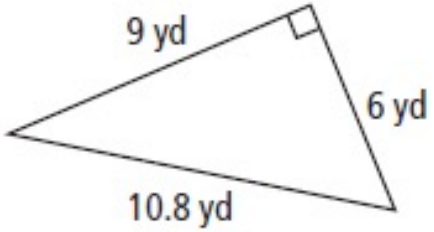
U5L1 – Area of a Triangle

Area of a Triangle



$$A = \frac{1}{2}(b \cdot h) \text{ or } A = \frac{b \cdot h}{2}$$

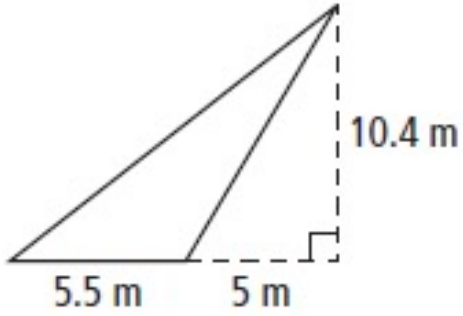
Find the area of the triangles.



$$A = \frac{9\ yd \cdot 6\ yd}{2}$$

$$A = \frac{54\ yd^2}{2}$$

$$\boldsymbol{A = 27\ yd^2}$$



$$A = \frac{5.5m \cdot 10.4m}{2}$$

$$A = \frac{57.2\ m^2}{2}$$

$$\boldsymbol{A = 28.6\ m^2}$$

Questions?

- Check the Message Board first
- Send a WebMail
- You can also make an appointment at https://elizondo.youcanbook.me
- You can also call me at (559) 549-3244. If I'm not available to answer your call, please leave a voicemail with your full name and phone number.