

# Algebra 1B Live Lesson

U4L10: Unit 4 Review  
U4L6 to U4L8



# Agenda



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1. Review selected problems and topics from Unit 4, Lessons 6 - 8.

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
2. School-Wide Learner Outcomes
3. LL Objectives
4. Vocabulary words
5. Problems
6. Summary (End of class)

1. Write down important details.
2. What are you going to work on this week?
3. Write down your own questions.
4. Definitions (fill in as we go)
5. Steps to solving problems
6. 1 or 2 sentences about the LL class.

# Reminders and To – Do's



## Information

1. Complete 1 math lesson per day.
2. Check your WebMail every day
3. Be prepared to spend 4 - 6 hours per day on schoolwork.
4. Remind your Learning Coach to take daily attendance

## What to do

1. Go to your Planner in Connexus to find the math lesson for the day
2. Go to Connexus to find WebMail
3. Complete lessons for the day from your Planner. Do not get behind on lessons.
4. Have your Learning Coach log into Connexus daily.

# Reminders and To – Do's



## Information

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.

## What to do

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



Use the Quadratic Formula to solve the equation:

$$4x^2 + 7x - 15 = 0 \quad a = 4, b = 7, c = -15$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{-7 \pm 17}{8}$$

$$x = \frac{-7 \pm \sqrt{7^2 - 4(4)(-15)}}{2(4)}$$

$$x = \frac{-7 + 17}{8}$$

$$x = \frac{-7 - 17}{8}$$

$$x = \frac{-7 \pm \sqrt{49 + 240}}{8}$$

$$x = \frac{10}{8}$$

$$x = \frac{-24}{8}$$

$$x = \frac{-7 \pm \sqrt{289}}{8}$$

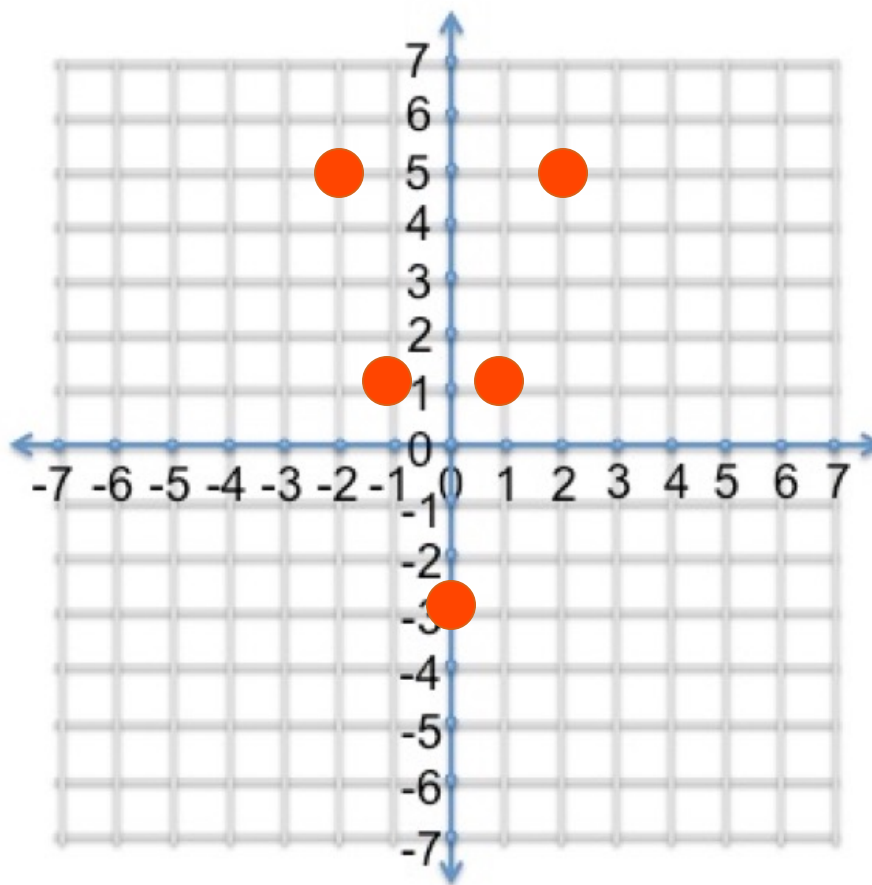
$$x = \frac{5}{4}$$

$$x = -3$$



Graph the set of points. Which model is appropriate for the set.  $(-2, 5)$ ,  $(-1, -1)$ ,  $(0, -3)$ ,  $(1, -1)$   $(2, 5)$

Quadratic:  $y = ax^2 + bx + c$





Solve the system using elimination:

$$y = x^2, y = x + 2$$

$$\begin{array}{r} y = x^2 \\ -(y = x + 2) \\ \hline \end{array}$$

$$0 = x^2 - x - 2$$

$$0 = (x - 2)(x + 1)$$

$$x - 2 = 0 \quad x + 1 = 0$$

$$x = 2 \quad x = -1$$

$$x = 2$$

$$y = 2 + 2 = 4$$

$$(2, 4)$$

$$x = -1$$

$$y = -1 + 2 = 1$$

$$(-1, 1)$$





Solve the system using substitution.

$$y = 3x - 20, y = -x^2 + 34$$

$$x = -9$$

$$3x - 20 = -x^2 + 34$$

$$y = 3(-9) - 20 = -47$$

$$x^2 + 3x - 20 - 34 = -x^2 + x^2 + 34 - 34$$

$$(-9, -47)$$

$$x^2 + 3x - 54 = 0$$

$$x = 6$$

$$(x + 9)(x - 6) = 0$$

$$y = 3(6) - 20 = -2$$

$$x + 9 = 0$$

$$x - 6 = 0$$

$$(6, -2)$$

$$x = -9$$

$$x = 6$$

# Questions?

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- 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.