Title Math Journal #2 and #3:

Math Journal Assignment：(The journal reflection for question 8 on page 605)

• What was your first thought when you read the problem?

What is the regular level be like  
• What information is included in the problem?

After 7 days of heavy rainstorms, the water level in a river peaked at 2.85m  
• What information might you need to solve the problem?

The slope  
• How can you find that information?

**By finding the two coordinates**• What strategies could/did you use to solve the problem?

m=rise over run  
• Did you run into any roadblocks while working on your problem? How did you resolve them?

No, I didn’t. By using formulas.

• Did you learn anything new working on this problem?

Yes. I need to use formulas wisely.  
• Did your solution surprise you?

yes  
• Did your solution make sense? How did you check?

Yes. with the answers behind the assignment.  
• How did you feel while working on this problem?

Worried.  
• Did this problem remind you of anything?

Yes.  
• Is there another strategy that might have worked to solve this problem?

I need to find the coordinates and find the slope.  
• Can you think of an extension to this problem (is there something else you could solve building on your work)?

A function which describes the height of the river above regular level  
• Would you feel comfortable solving another problem like this, or would you like to practice more problems first?

I would like to practice more.  
How do you plan to study or learn the material?

I plan to practice more.  
What are some resources to help you with your educational goal?

Asking teachers and finding resources on google.

2) The x-intercept is where the function intercepts the x-axis. The y-intercept is where the function intercepts the y-axis.  
When you look for the x-intercept given an equation, you set y = 0 then solve for x. Why is that?

Because y-axis is the line “x=0”, in the same way, the x-axis is also the line “y=0”

Example: How do you find the x and y intercept for the equation :

Y=√x-4 latex?

If you want to find the x intercept then set y=0,then the equation turns to √x-4=0,x=+-2

If you want to find the y intercept then set x=0,then the equation turns to y=0-4,y=-4