

1. Questions on last time's homework

I will posted answers for many of the homework problems for the previous day in Blackboard.
<http://acconline.austincc.edu/> If you can't get these, email me and tell me what trouble you're having and I'll make sure you get this.

2. Since next Monday is a holiday, the classwork and homework to be submitted in your notebook next Wednesday, September 9 is ONLY that assigned today. Homework assigned during this Wednesday's class (Sept. 2) will be turned in at the next time (Wed. Sept 16) you submit the notebook.
3. In class, we review pages 26 and 27, and solve problem 1 at the end of page 27. The answer is $y = -3x+11$. Then we check it by plugging in both points and making sure that both of them work in this equation.
4. Now, look ahead to the part of Lesson 4 on pages 36-37. Review how they found the intercept for the example on page 36. Just read it off the y axis.
5. On page 36, in the middle graph, what are the points they picked. Can you write the coordinates? They are (0,3) and (2,4). Now count the rise and the run. The slope is the rise divided by the run. Do you see here that is $1/2$? You could also write $m = (4-3)/(2-0)$ by plugging in the y coordinates and the x coordinates.
6. Notice how the equation is written. $Y = mx + b$ where m is the slope and b is the y intercept.
7. On page 37, which of these is it going to be easy to find the y- intercept? Answer: Those where it is visible.
8. On pages 37, how do you find the y-intercept when it isn't visible? Answer: Extend the axes and the graph as needed, using a ruler.
9. **Classwork and Homework:**

page 27: 1, 3, 5, 7, 9.

Find the equation of the line using the method described, called the three-step method. Then check it by plugging in both points and seeing that they work.

page 37: 1, 2, 3, 4, 5, 6.

Find the slope and intercept by estimation like we did in class. Then write the equation of the line. After that, pick a point on the graph, write its coordinates and then plug it into the equation to check to make sure that it fits the equation.