Name:

Date:

Lesson 6.2.2 (Part 2) Homework

**6-61.** Normally, the longer you work for a company, the higher your salary per hour.  Hector surveyed the people at his company and placed his data in the table below



* 1. Use Hector’s data to estimate how much he makes, assuming he has worked at the company for 12 years.
	2. Hector is hiring a new employee who will work 20 hours a week.  How much should the new employee earn for the first week?

**6-62.** Mr. Greer solved the equation as shown below.  However, when he checked his solution, it did not make the original equation true.  Find his error and then find the correct solution.



**6-63.**The box plot below shows the different grades (in percents) that students in
Ms. Sanchez’s class earned on a recent test.

* 1. What was the median score on the test?  What were the highest and lowest scores?
	2. Did most students earn a particular score?  How do you know?
	3. If Ms. Sanchez has 32 students in her class, about how many students earned a grade of 80% or higher?  About how many earned more than 90%?  Explain how you know.
	4. Can you tell if the scores between 80% and 90% were closer to 80% or closer to 90%?  Explain.