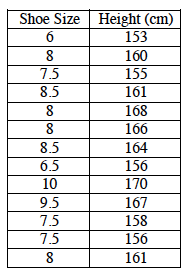
Name:

Date:

Lesson 1.1.4 (Part 1) Homework

**1-30.** Kerin discovered that a human’s height is related to his or her reach.  Kerin is curious if the same thing is true for foot size.

* 1. It was not practical for Kerin to measure her classmates’ feet, so Kerin collected the following shoe-size data from some of her classmates.  Make a graph with appropriately scaled axes.
  2. Is there a relationship between shoe size and height?

**1-32.**Latisha is determined to do well in school this year.  Her goal is to maintain at least an 85% average (mean) in all of her courses.

1. Latisha started her history class with two scores on tests, 72% and 89%.  Confirm that the mean of these two scores is 80.5%.  Show your work.
2. Latisha’s third score was 90%.  Use her scores from part (a) to figure out her mean now.  Be sure to show your work.

**1-33.**  Use the pattern you discovered earlier to complete each of them.  The pattern is shown at right.  Some of these may be challenging!     
  
