

7. TECHNOLOGY CORNER

SCATTERPLOTS ON THE CALCULATOR

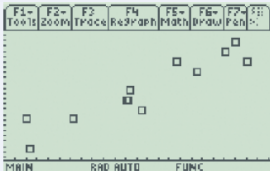
TI-Nspire instructions in Appendix B; HP Prime instructions on the book's Web site.

Making scatterplots with technology is much easier than constructing them by hand. We'll use the SEC football data from page 146 to show how to construct a scatterplot on a TI-89.

- Enter the data values into your lists. Put the points per game in L1/list1 and the number of wins in L2/list2.
- Define a scatterplot in the statistics plot menu (press $\boxed{\text{F2}}$ on the TI-89). Specify the settings shown below.



- Use ZoomData on the TI-89 to obtain a graph. The calculator will set the window dimensions automatically by looking at the values in L1/list1 and L2/list2.



Notice that there are no scales on the axes and that the axes are not labeled. If you copy a scatterplot from your calculator onto your paper, make sure that you scale and label the axes.

AP® EXAM TIP If you are asked to make a scatterplot on a free-response question, be sure to label and scale both axes. *Don't* just copy an unlabeled calculator graph directly onto your paper.