

HOMEWORK



Skill Practice

EXAMPLES

1, 2, and 3 on pp. 775–777

for Exs. 3-7

- **1. VOCABULARY** Copy and complete: A function of the form $y = ab^x$ is a(n) ? function.
- **2. WRITING** *Explain* how you can determine whether a linear function or a quadratic function is a better model for a set of data.

MODELING DATA Use a graphing calculator to find a model for the data. Then graph the model and the data in the same coordinate plane.



- quadratic function.
- **9. CHALLENGE** The function $y = 5x^{2.3}$ models a table of data in which *x*-values are measured in inches and *y*-values are measured in pounds. If the table is changed to give the *x*-values in feet, what function models the revised data?