Ready To Go On? Problem Solving Intervention 9A *9-1 Multiple Representations of Functions*

Often functions can be represented in a variety of ways. Use the method that is easiest for you.

A hot air balloon is descending from an altitude of 1000 feet at a rate of 8 feet per second. Create a table, equation, and graph to represent the hot air balloon's altitude, *a*, with relation to time, *t*. When will it reach the ground?

Understand the Problem

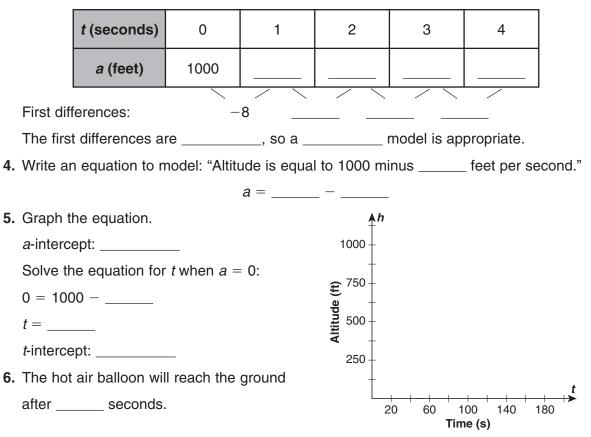
1. Describe the hot air balloon's descent.

Make a Plan

2. What do you need to determine?

Solve

3. Create a table. Let *t* equal time and *a* equal altitude.



Look Back

7. Check the intercepts by graphing the equation on your graphing calculator.