This homework is from Section 3.11 of your text, *Related Rates*. There are two new basic skills you must learn today.

1. You must learn to **write a one sentence description of what a variable measures**.
   - This skill is required.
   - It will be directly tested — Quiz 6, Exam 1, and the Final Exam.
   - WebAssign cannot provide feedback on your writing. If you want feedback before quiz 6 is due, get it during class.
   - [Click here for tips](#) on writing clear descriptions.
   - You can find explicit examples of correctly worded variable descriptions in WebAssign homework [Related Rates I](#), Problems 1, 2 and 4.
   - Correct answers from WebAssign homework [Related Rates I - Variable Definitions](#) will give you more examples.

2. You must learn to **create your own formula** from information in a word problem.
   After you create your formula the problem will be just like [Related Rates Intro](#).