Name: _____

Date: _____

Dropping a Softball

You hold a softball at shoulder height. How much potential energy does the softball have before you let it go?

You drop the ball. How much energy does the softball have the instant before it hits the ground?

What is the speed of the ball the instant before it hits the ground?

(You can answer these questions conceptually, by saying what concepts you'd use to solve this problem. Or, you can use the formulas to calculate numerical values for each question.)

Show your work, and write your answer in a complete sentence.