Print this template and write your solution in the spaces indicated. This is what you will submit.

Wonder Woman wants to jump straight up from the ground to reach a kitten perched precariously on the branch of a tree 20.0 m above the ground. After leaving the ground, WW decelerates at a rate of 9.80 m/s². With what minimum velocity must WW leave the ground in order to reach the kitten?

Don't write in this column.	**Do your work in this column.**
Step 1. After reading the problem, draw a diagram in the cell to the right. On the diagram, indicate the origin and the direction you select for +x. Show with arrows the directions of the initial velocity and the acceleration. Label any other relevant quantities.	
Step 2. List all the given information. Identify the givens with the same symbols that are used in the dvat equations, namely, x, x_o, v, v_o, a, and t. If values are known or defined to be 0, say so. Given the direction you selected for +x, make sure all the given information has the correct signs.	
Step 3. State the unknown that you're to find. Identify it with the proper symbol.	
Step 4. Look at the list of dvat equations in Table 2-4 and select one for which all quantities are known except for the unknown that you're solving for. Write the equation to the right.	
Step 5. Algebraically solve the dvat	

equation you selected for the unknown. That means to solve in symbolic form without numbers. However, you may substitute in zeros.	
Step 6. Substitute the given values with units. Do the arithmetic to arrive at the final answer.	
Step 7. Apply sign, units, and sensibility checks.	